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REPORT ON THE BRIDGES/FAIRSERVICE PROPERTY

Bridges-Docker Townships
Kenora Mining Division - 10, Ontario
(NTS 52F/13)

by

Alasdair J.M. Mowat C.E.T.

August 17th, 2003

Emerald Fields Resource Corporation
BRIDGES TOWNSHIP PROPERTY
Location Map

Bridges_Grid_Drillholes.wor/Aug.2003

Scale: 1cm = 100,000m

NB PROBLEMS WITH SYSTEM. TO BE REPACED

Search by: O G-Plan Numbers O Township/Area Names O Claims O Disp

Search! Help

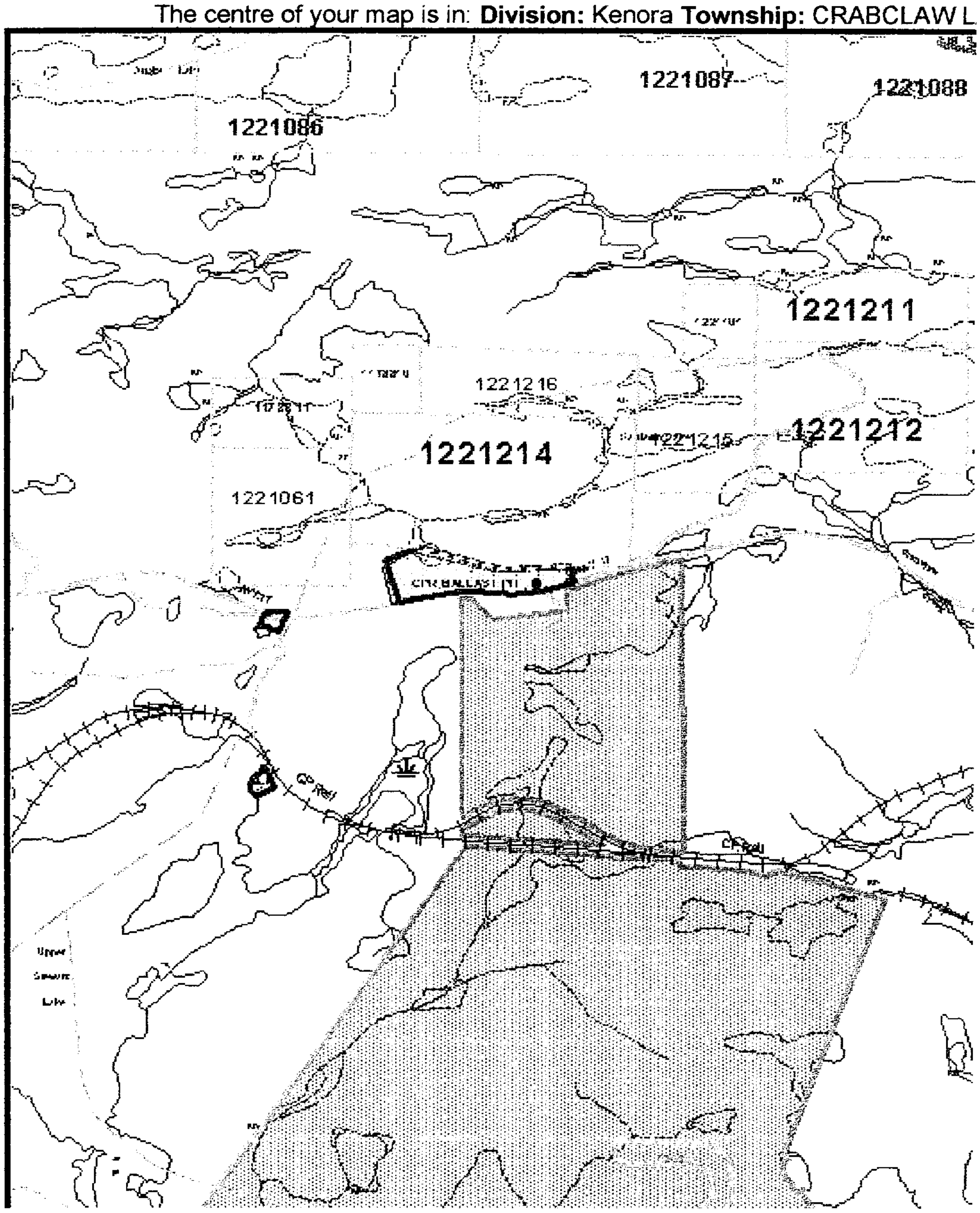
Begin your search by clicking on one of the radio buttons (G-Plan, Township/Area, Claim, or Disposition). Then enter your search criteria in the text box and click on the search button.

Select from a list below and press its "Go" button to jump to the specified view.

Mining Division GO G-Plan # GO Township / Area GO

View Reports: Select Claim GO Select Disposition GO Order Map

The centre of your map is in: **Division:** Kenora **Township:** CRABCLAW L



Map Tools

Go to Ontario View.

4x Zoom Factor.

Zoom In Zoom Out

Pan Identify Alienation

Identify Disposition Identify Claim

Legend Help

Property Name: Bridges/Fairservice (Game Lake)

Mineral Commodities: Gold, Silver (VMS) Zinc, Copper and rare-metal pegmatites - Tantalum, Cesium and Beryl.

Location: Bridges (G.0812) and Docker Townships (*)
- Kenora Mining Division - 10
- MNR Administrative District of Dryden
- NTS 52 F/15
- Feist Lake topographical sheet 1:50,000 - 2nd edition 1988
- Latitude 49 degrees 51' N by Longitude 93 degrees 40' W
- GPS (NAD 27) 55 22 000 m. N by 4 52 000 m. E

Access:

The Bridges/Fairservice property lies roughly midway between the communities of Kenora and Vermilion Bay, Ontario - 70 kilometres east of Kenora , lying generally north of Trans-Canada Highway No. 17 . A network of foot and quad trails gone additional access to the prospect.

Property Description:

The topography of the area is dominated by easterly to northeasterly trending ridges separated by moderate to steeply pluging valleys; majority of which are occupied by wet mossy/tree covered terrain in various combinations with lakes. The vegetation is a mixture of spruce, cedar and tag alders in the low and wet areas and pine, fir, poplar and white birch on higher terrains. In areas of logging (late 1999's ?) , low growth bush consisting of moose maples and the other previously mentioned tree types presently obscure rock visiability.

Rock exposure, excluding the cut over areas - summer months - is about 25 %.

Ownership:

Bridges/Fairservice property consists of 9 claim blocks in Bridges Twp and 1 in Docker Twp to the east totalling 10. All the blocks are contiguous, unpatented and non-leased with both surface and mining rights staked in accordance with the mining laws of Ontario.

Total claim units is 79 - 16 hectare (ha) units or +/- 1,264 ha.

The claim group is comprised of 7 claim blocks optioned from prospector Mr. Robert (Bob) Fairservice of Kenora, Ontario and 3 staked and owned 100 % by Emerald Fields Resource Corporation (EFR). Breakdown of claim status follows;

Township	Ownership	Claim No.	Recording Date	Comment
Bridges	EFR	K1221211	Aug. 20, 2000	Fairservice Option
"	"	K1221212	Aug. 20, 2001	"
"	"	K1221214	Aug. 27, 2001	"
"	"	K1221215	Sep. 05, 2001	"
"	"	K1221216	Sep. 24, 2001	"

"	"	K1221061	Oct. 02, 2001	"
"	"	K1221101	Dec.14, 2000	"
"	"	K3009681	Dec.12, 2002	EFR 100%
"	"	K3009682	Dec.12, 2002	"
Docker	"	K3009683	Dec.12, 2002	"

Property History:

Exploration / prospecting on the property started with uranium followed by Cu-Zn-Ag-Au massive sulphides and more recently volcanogenic Au-Ag disseminated sulphide deposits.

Summary:

Uranium 1949 to 1977
Mica (industrial mineral) 1952 to 1955
Base Metals - Cu-Zn-Ag-Au 1984 to 1990
Valcanogenic Au-Ag 1996 to 2000

Rio Algom Exploration Limited explored the property between 1984 and '87 for VMS (volcanogenic massive sulphides) based on the Geco Mine Cu-Zn-Ag-Au deposit model located in Manitouwadge, Ontario. Using a cut grid, the following ground programmes consisted of a magnetometer, HLEM and VLF geophysical surveys; geochemistry, and geological mapping in conjunction with an eleven drill holes totalling 2,648 m.

The property was optioned to Mill City Gold whose objective to discover a gold deposit similar to those hosted in higher-grade metamorphic terrains; such as, Hemlo in Ontario. They conducted a 10 - hole in filling drill programme between Rio Algom's previous holes (1988). They conducted and completed an IP/resistivity survey which delineated zones of anomalous chargeability. It is noted that very few of the diamond drill holes adequately tested the IP anomalies. Gold mineralization was encountered in a number of the drill holes which was not economic, at the time. The property was returned to Rio.

In 1990, Rio Algom drilled 3 additional holes to test some of their recommended targets for VMS. No economic mineralization was encountered but anomalous gold values were intersected. As in the other cases above, no further follow-up work was performed.

Tri Origin Exploration Limited in 1996, acquired the property through option and added staking. In 1997, they conducted an airborne magnetic, electromagnetic and resistivity geophysical survey. Resulting from the survey were numerous electromagnetic conductors, several magnetic high and anomalous resistivity trends. Also, during the '97 period, geological mapping including litho- and soil sampling were carried out. In conducting their surface program, the core for Rio Algom drill holes 90-1, -02 and -03 were found including Mill City drill holes GL 88-01 to -10. As noted in their report, they used GPS for location - NAD 27.

Within the immediate claim group, they recommended 5 target zones. There was no further reported follow-up.

In 2001, Emerald Fields acquired the property through option and staking.

Geology:

The geology of the Bridges / Fairservice property, also know as the Game Lake area is best described in the "*Report on the Game Lake Property: 1997 Exploration Program by Brenda MacMurray and Michael Thompson for Tri Origin Exploration Limited, dated November 27, 1997, pages 8, 9, 10 and 11.*" (Note: A major of the rock unit descriptions are within the confines of the property. The remainder just outside the area of interest on examining the excerpts from this report.)

-Attachment-

Tri Origin Recommendations and Conclusions: Refer to the above reference report pages 14,15, 16, 17 and 18.

-Attachment-

Discussion:

The author over the course of the last several years - Fall of 2001; Spring to Fall of 2002 , and Spring and Summer of 2003 - has made geological / prospecting excursions; particularly, within the eastern end of the claim group.

As a result of this activity, supported by the previous companies assessment work files and recommendations, that a constructive exploration modeling was required to further redefine target areas of merit. To meet this requirement, the following parties are involved in the project:

Mr. Alan Raoul and Mr. Craig Ravnaas,.District Geologists, Kenora Mining Division, Ontario and the services of ZONE 14, Winnipeg, Manitoba.

ZONE 14 are providing GIS (information sheet attached) and MapInfo support. The author has and is providing the mentioned hard copies of the pervious filed assessment reports, maps et cetera in conjunction with field GPS co-ordinates. The end result is compilation of all the exploration data in 2 and 3 dimensional map format which enhances targets.

The other approach is the reassessment of the geology and mineralization by re-sampling of the drill core both left and located in the field and in core storage at the Kenora Core Library. Three analytical methods are being used: 1/. Geochemical Analysis - multi-element,
2/. Whole rock - rock unit definition and
3/. Elements from the above to define decreasing / increasing mineralization. In other words, Na and Ca depletion < 1%, K > 4%, Mg > 2%, Ba > 2,000 ppm and Mn > 2,000 ppm. Input, thoughts and options provided and supported.by the staff of Kenora District Resident Geologist Office.

Portions of drill hole No. GL-88-04 - (drill log attached) stored at the Kenora Core Library - have been sampled and submitted to SGS Minerals Services, Toronto, Ontario for analysis. The two packages are ICP80 - geochemical analysis- and XRF102 - whole rock (attached). Additional drill hole sampling is continuing.

The purpose of this ongoing exploration program is the continuation of Tri Origin's target recommendations and the introduction of others by the reassessment of existing drill core and exploration data - geology, geophysics and rock chemistry - to locate deposits of Au, Ag, Cu, Zn and rare-metals, Ta, Cs and Beryl. The method is the use of GIS profiling technology.

DATA SHEET
for
Diamond Drill Hole # GL-88-04
GPS drill hole co-ordinates (NAD 27) Zone 15 -55 21 415.39 N by 4 51 896.67 E
(NAD 83 - 55 21 629.22 N by 4 51 896.67 E)
Claim No. K1221212

<u>NOTE:</u> - Core stored at the MNDM Kenora Core Library, Ontario
- Method of core/rock splitting by diamond saw wet cutting
- Assistance provided by Mr. Alan Raoul, Kenora District Geologist

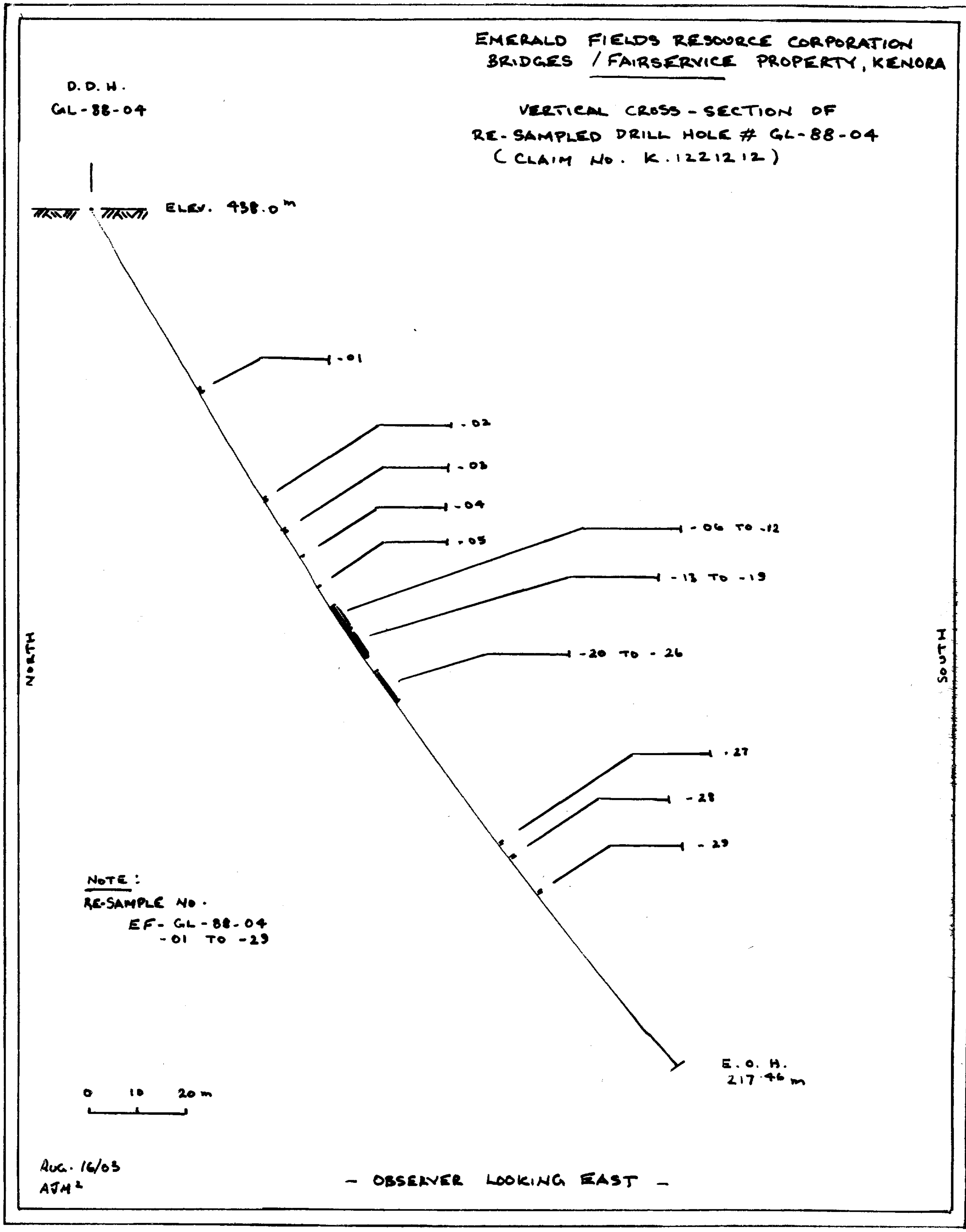
Assay/Sample #	Metres From		To	Length	Box #	Description
EF-GL-88-04						
-01	43.61	-	44.52	0.91	8	- Rock Unit 1
-02	70.33	-	71.10	0.77	12	- "
-03	78.84	-	79.75	0.91	14	- "
-04	85.60	-	89.90	0.30	15	- "
-05	92.00	-	92.30	0.30	16	- "
-06	97.43	-	97.78	0.35	17	- Rock Unit 6A
-07	97.78	-	98.66	0.88	17	- "
-08	98.66	-	100.53	1.87	17	- "
-09	100.53	-	101.60	1.07	17	- "
-10	101.60	-	102.21	0.61	17&18	- "
-11	102.21	-	102.87	0.66	18	- "
-12	102.87	-	103.70	0.83	18	- "
-13	104.27	-	104.79	0.52	18	- "
-14	104.79	-	105.50	0.71	18	- "
-15	105.50	-	106.21	0.71	18	- "
-16	106.21	-	106.51	0.30	18	- "
-17	106.51	-	107.35	0.84	18	- "
-18	107.35	-	108.00	0.65	19	- Rock Unit 6
-19	108.00	-	109.00	1.00	19	- "
-20	114.17	-	114.52	0.35	20	- "
-21	114.52	-	116.49	1.97	20	- Rock Unit 6A
-22	116.80	-	117.93	1.13	20	- "
-23	117.93	-	119.44	1.51	20	- "
-24	119.44	-	120.00	0.56	21	- "
-25	120.00	-	120.88	0.88	21	- "
-26	120.88	-	121.18	0.30	21	- "
-27	157.90	-	158.25	0.35	27	- Rock Unit 1
-28	161.80	-	162.20	0.40	28	- "
-29	171.60	-	171.90	0.30	29	- "

Rock Unit Descriptions:
Unit 1 - Biotite-Feldspar-Quartz Schist
6- Quartz-Feldspar +/- Sericite, Sillimanite, Muscovite, Garnet Schist
6A- Alterated Quartz-Feldspar +/- Sericite, Sillimanite, Muscovite, Garnet Schist with visible sphalerite, pyrite and pyrrhotite

- Attachment -

Report by: Alasdair J.M. Mowat C.E.T.

Report dated: August 18th, 2003
Report dated at: Kenora, Ontario


EMERALD FIELDS RESOURCE CORPORATION
BRIDGES / FAIRSERVICE PROPERTY, KENORA
D.D.H.
GL-88-04
VERTICAL CROSS-SECTION OF
RE-SAMPLED DRILL HOLE # GL-88-04
(CLAIM NO. K.1221212)
ELEV. 438.0 m
-01
-02
-03
-04
-05
-06 TO -12
-13 TO -19
-20 TO -26
-27
-28
-29
NORTH
SOUTH
NOTE:
RE-SAMPLE NO.
EF-GL-88-04
-01 TO -29
E.O.H.
217.46 m
0
10
20 m
AUG. 16/03
AJM
- OBSERVER LOOKING EAST -

Rocks of the Game Lake area are part of the Archean-aged Wabigoon tectonic assemblage within the Superior Province. The property encompasses mafic to felsic metavolcanics and metasediments of the Vermilion Bay Greenstone Belt. This zone is bounded by the metasedimentary English Subprovince to the north and by the Dryberry Batholith to the south. Geology of the Game Lake area consists of several east- to northeast-striking, steeply north-dipping and south-facing rock units. The major units (Figure 3, back pocket) include mafic to felsic (mostly intermediate) metavolcanics in the north and southwest parts of the property which grade into reworked metavolcanics and metasediments in the central and eastern parts of the area. Iron formation outcrops (both siliceous oxide and sulphide types) are found scattered throughout the property. Granitic pegmatite and granite dykes and sills cut most rock units in the area and are thought to be a volatile-rich phase of the Dryberry Batholith. Rocks in this area have reached Upper Amphibolite Facies metamorphism.

The seven major rock units on the Game Lake Property (Figure 3) include the following, in order of abundance (most to least):

Intermediate Pyroclastic - This unit is a light to medium grey, ash, lapilli, crystal or most frequently bomb/block tuff with up to 15-20% mafic minerals including biotite, hornblende and occasionally magnetite. The bombs and blocks are coarser (fine to medium) grained than the ash matrix, granodioritic in composition and frequently stretched parallel to foliation. They most often have soft edges and therefore are bombs but occasionally have the more distinct or sharper edges of blocks. The intermediate pyroclastic rock is occasionally to rarely gneissic in appearance but this is most likely caused by very stretched fragments. Occasionally, the rock appears more sedimentary in nature. At intervals, alteration includes silicification and rarely potassic or chlorite alteration.

Metasediments - These are commonly biotite- or hornblende-rich, occasionally muscovite-bearing or rarely garnetiferous wackes and rarely calc-silicate, quartzite and sandstone. The calc-silicate is diopside-rich and green to black in colour. Metasediments are usually light to dark grey, sometimes greenish (particularly the calc-silicate), fine to medium grained, occasionally gneissic and usually foliated. Foliation is easily seen by the alignment of micas or hornblende. Rocks that were mapped as arkosic or quartzose wackes, quartzites and sandstones could be related to felsic metavolcanics (reworked?).

Felsic Metavolcanics - This unit consists of greyish-white to light grey, frequently silicified ash, lapilli, bomb/block and rarely quartz crystal tuffs. There is occasional potassic or sericite alteration found as well. There are minor mafic minerals present, up to 5-10%, and these include biotite, hornblende and rarely magnetite. The felsic metavolcanics are commonly schistose or stretched with muscovite or sericite marking the foliation, particularly in the area around Harrison Lake (Main Zone Target Area). This unit frequently appears reworked, especially in the northeast part of the property.

Granitic Pegmatite/Granite - These rocks are coarse grained and pink or rarely to occasionally white. They intrude as sills, dykes or occasionally lenses and in some cases were seen to cut across foliation. Sill and dykes are frequently either folded or boudinaged.

Iron Formation - This unit is mostly siliceous oxide iron formation with up to 70% magnetite found in outcrop. Occasionally pyrite- and pyrrhotite-rich sulphide iron formation is found. Always magnetic, these rocks are often punky and rusty with occasional hematite staining. Brecciated iron formation was also seen west of Leigh Lake with rusty fragments in a siliceous matrix. It is uncertain whether any of these units are truly iron formation. Localized and concentrated sulphide and oxide mineralization over centimeters to meters within metavolcanics and metasediments may be a more accurate description of this occurrence. Another related unit is often closely associated with iron formation on the property. This "lean iron formation" unit is a garnetiferous amphibolite and is frequently chlorite-bearing and occasionally magnetite-bearing as well.

Gabbro - This rock is medium to dark grey-green or light grey with dark green to black clots of pyroxene (augite). It is medium (to coarse) grained and occasionally amphibolitic in composition.

Mafic Metavolcanics - This unit is medium to dark grey-green, fine grained and is frequently chloritic.

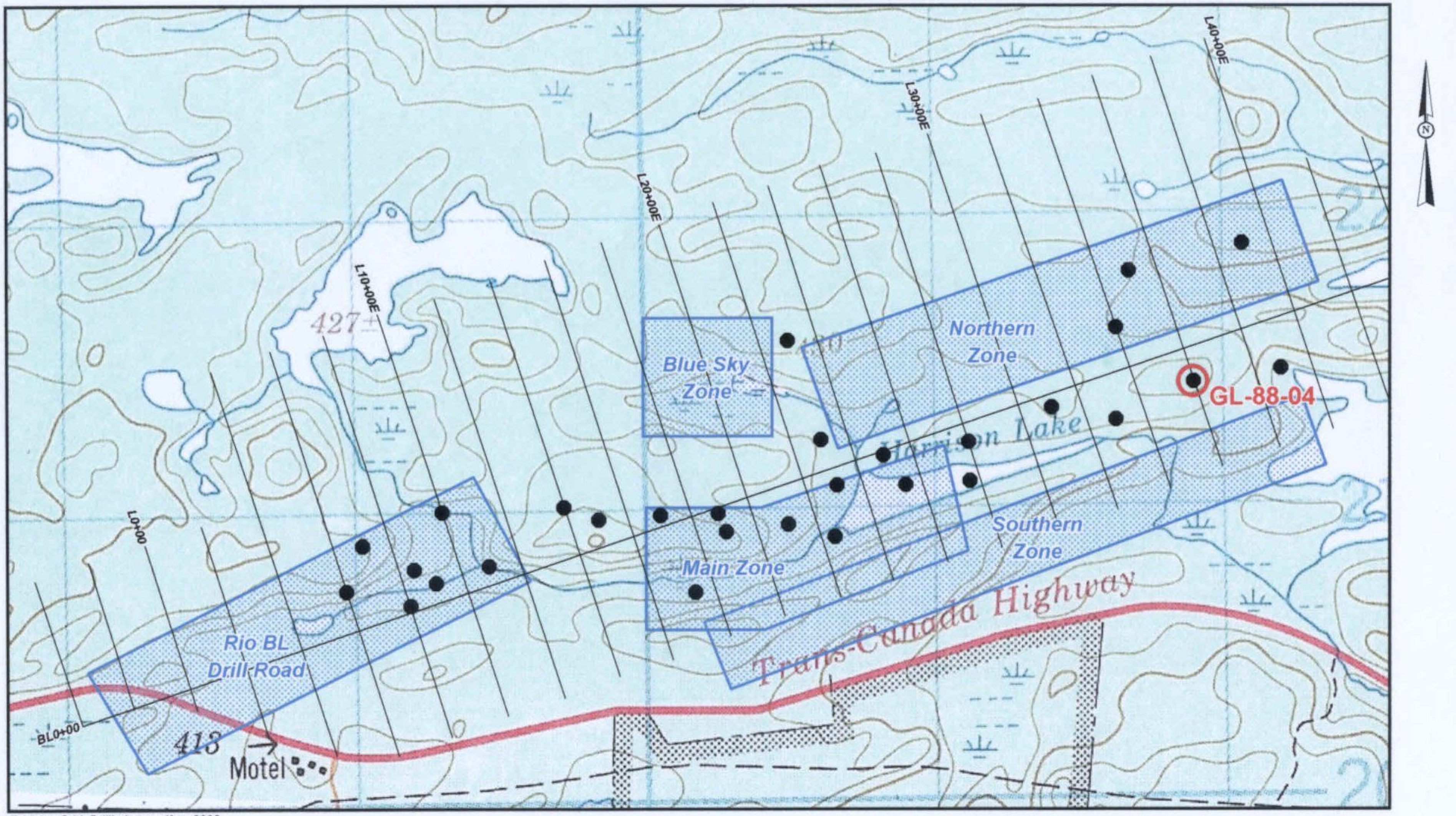
The three most abundant units on the Game Lake Property, intermediate pyroclastics, metasediments and felsic metavolcanics, are very likely related. The intermediate and felsic metavolcanics are probably proximal and distal (respectively) rocks of the same sequence. The metasediments could be reworked metavolcanics. Conversely, the felsic metavolcanics might be bleached and silicified metasediments. Because of the degree of metamorphism in the area and the alteration, it was difficult to determine the protoliths of the rocks. There was an outcrop in the northeast that appeared to be almost syenitic in composition. However, upon closer inspection, it was decided that it was a metavolcanic that had undergone very strong potassic alteration.

Alteration on the Game Lake Property, particularly silicification and sericitization, appears to be concentrated in the Main Zone (Target #6, described below) and the Octopus Lake NW Area (described below). Elsewhere on the property, silicification is quite common and occurs mostly in the metavolcanics, potassic alteration and sericitization occur occasionally and chlorite and epidote alteration are rare. Potassic alteration is slightly more common in the northeast (Targets #1 and 2 and the Northern Zone, both described below). Alteration is noted most often in the felsic metavolcanics which could indicate that these rocks are altered versions of the metasediments.

While mapping, the strike of bedding was difficult to detect due to extensive stretching of the rock units and the high grade of metamorphism. The overall strike of foliation is approximately 225-270° and dip is approximately 50-70° northward. In the northeast part of the property, foliation was found to strike approximately 250-270° and dip 50-60°. In the southeast, the strike of foliation had a greater range, from 220-280°, averaging around 240°. Dips in the southeast ranged as well, from 50°-vertical. South of Harrison Lake, dips are steeper at 75°-vertical. In the north-central part of the property, around Leigh Lake, foliation ranges quite widely, from 220-310° and dips are northward 40-65° where measurable. However, magnetic iron formation was found throughout this area so these measurements may not be accurate. The south-central area foliation strikes 215-230°, slightly more southwesterly than the property average, and dips 50-80°. The southwest area displays strike of foliation at 215-280° and dipping 35-60°. In the northwest, on Gordon Lake Road, particularly near the highway, the foliation direction is erratic, varying widely over a short distance. Around the northern part of Octopus Lake, the foliation appears to swing approximately east-west (to ENE-WSW). Pryslak (1976, ODM-GR130) hypothesized about a conical fold, plunging southwest and centered around Octopus Lake. This theory may explain the change in foliation in this area. Plunges of clasts within the intermediate pyroclastic were found to be 30-60° along the Highway 17 in the central part of the property and approximately 45° off of Experimental Lake Road in the southwest.

Generally, directions of foliation vary more in the southern part of the Game Lake Property, closer to the Dryberry Batholith. Differences in strike of foliation between the geophysically interpreted domains (Figure 3) is very subtle. Foliations may be slightly closer to southwest ($\sim$225°) in the west than the foliations in the eastern domains which strike WSW.

Emerald Fields Resource Corporation
BRIDGES TOWNSHIP PROPERTY
Previous Work: Target Zones, Grid & Drilling



Bridges_Grid_Drillholes.wor/Aug.2003

NTS 52F/13
Scale: 1cm = 200m
NAD 27, Zone 15

● Drillhole Collar

Target Zone (1997 Tri Origin Exploration Limited)

Results of the 1997 Game Lake exploration program show that the property has great potential. It is recommended that five target areas be considered for future work (Figure 5). These targets were selected based on a number of factors including geology, geophysical anomalies (airborne and ground), significant assays (from ddh and surface samples) and untested previous drill targets.

Northern Zone Target Area (UTM: 450 550mE, 5 521 550mN; 452 210mE, 5 522 100mN; 450 670mE, 5 521 200mN; 452 330mE, 5 521 750mN): Due to favourable geology, previous drilling that did not effectively test the IP and surface assay anomalies, and anomalous Au and Ag in drill core, this area warrants further investigation. Stripping and trenching are recommended around surface assay anomalies (in particular, Rio Algom's 2500 ppb Au surface showing, which must be located first) and around the untested IP anomalies. Three drill holes are also recommended to test Au anomalies at depth and to cover the untested IP. In order of priority, these are:

A (to test IP and Au) L32+00E, 2+00N, UTM: 451 450mE, 5 521 660mN, azimuth: 160°, dip: 60°, length: 250m

B (to test IP) L29+00E, 3+00N, UTM: 451 120mE, 5 521 660mN, azimuth: 160°, dip: 60°, length: 200m

C (to test Au) L36+50E, 2+00N, UTM: 451 890mE, 5 521 800mN, azimuth: 160°, dip: 60°, length: 250m

Main Zone Target Area (Target #6, UTM: 445 000 - 450 400mE, 5 520 500mN; 451 190mE, 5 520 500mN and 450 000 - 450 400mE, 5 521 000mN; 451 035mE, 5 521 205mN):

Favourable geology, an airborne magnetic high, multiple AEM conductors and anomalous Au, Ag, Cu and Zn in previous drilling are the criteria to show that this area warrants further investigation. Sufficient space to permit the inclusion of the minimum size criteria for an ore body was left between previous drill holes with anomalous assays. Therefore, further drilling is recommended to test IP, surface and ddh Au. In order of priority, the following drill holes are recommended:

A L20+00E, 1+00S, UTM: 450 425mE, 5 520 950mN, azimuth: 160°, dip: 60°, length: 200m

B L18+00E, 0+50S, UTM: 450 210mE, 5 520 940mN, azimuth: 160°, dip: 60°, length: 200m

C L26+50E, 0+25S, UTM: 451 020mE, 5 521 230mN, azimuth: 160°, dip: 60°, length: 250m

Rio BL Drill Road Target Area (UTM: 448 270mE, 5 520 120mN; 449 600mE, 5 520 760mN; 449 410mE, 5 521 120mN; 448 070mE, 5 520 470mN): This zone is located west of the Main Zone on the Rio Algom drill road that originates where the baseline of the grid meets Hwy. 17 (just west of Stewart Lake Lodge). This area includes several diamond drill holes with anomalous assays (2.06g/t Au, 18g/t Ag, 0.71% Zn) from Rio Algom's 1986 program and anomalous grab samples (504ppb Au; 64.7ppm Ag; 100ppm Co; 4040ppm Pb; 7320ppm Zn) from Tri Origin's 1997 exploration program. A more detailed look at the geology of this area and resampling the 1986 Rio drill core (if it can be located) is recommended.

Blue Sky Target Area (UTM: 450 000mE, 5 521 250mN; 450 450mE, 5 521 650mN): A high airborne magnetic signature which indicated the possible presence of a fold nose and a moderate to strong AEM anomaly was the reason for the interest in this target area. The strong IP anomaly that runs through the Northern Zone may pass right through the centre of this area but the survey ends here. There is another more diffuse IP trend that passes through the southern part of this target area. No previous work has been recorded for this zone. Detailed mapping and assay sampling is recommended.

Southern Zone Target Area (UTM: 450 290mE, 5 520 380mN; 452 350mE, 5 521 120mN; 452 270mE, 5 521 360mN; 450 200mE, 5 520 610mN): This zone is located south of the Main Zone at and near the contact of the metasediments and felsic metavolcanics with the Dryberry Batholith. This zone has likely experienced the effects of contact metamorphism with the Dryberry Batholith. The area has not been effectively investigated by Rio Algom, Mill City or Noranda. Mill City's drill holes GL88-03 and GL88-08 were too short to adequately test the mineralization and IP anomalies found in this area. Mill City recommended that GL88-03 and -08 be deepened to test this target. Detailed mapping and assaying of this area is recommended. Extending the IP survey to cover this zone would also be useful to check the extent and strength of the IP targets.

There are similarities between the Game Lake Property and the Manitouwadge camp massive sulphide deposits (Geco, for example) including rock units and grade of metamorphism (upper Amphibolite Facies). Within the Manitouwadge Synform, intermediate to mafic metavolcanics are overlain by felsic metavolcanics and iron formation, which is in turn overlain by metasediments. A porphyritic granitoid body is found at the center of the synform. Many of the felsic to intermediate metavolcanic rocks have been altered to sillimanite-muscovite-quartz schist (also referred to as sericite schist). Economic to subeconomic mineralization is located within deformed metavolcanics or iron formations (Zaleski and Peterson, 1995).

Anomalous assay results, mineralized felsic metavolcanics and a general similarity to the Manitouwadge camp contribute to make the Game Lake Property an attractive location for future exploration. Future work on the Game Lake Property should also include petrography, whole rock and rare earth element (REE) analysis of selected samples and possibly age dating of the rock units. This work would be invaluable to help sort out the sequence of deformation in the area, possible protoliths and relationships between the different units.

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Sample forwarding can be arranged through other SGS locations in Africa, Asia, Europe and South America. **See page 15.**

MasterCard VISA

WHEN YOU NEED TO BE SURE

SGS

Sample Preparation

Drill Core and Rocks

Standard procedure is to dry, crush to 2mm, riffle to a maximum split of 250g and mill in chrome steel equipment to 75µ (200#). See code PG205.

Clients are billed for the use of silica sand cleaners between samples to minimize the risk of contamination from mineralized samples. When cleaners are not required, specify that PPCL be eliminated.

Large ring mills are used to prepare 1–2kg pulps (PP10, PP20), primarily to improve sample representivity for gold projects.

The reduction of samples by crushing and grinding cannot be accomplished without a degree of adulteration with wear material from the grinding surfaces of the equipment. SGS Geochemical Laboratories uses a variety of equipment with different potential contaminants:

Chrome steel	• Fe (up to 0.15%) • Cr (up to 150 ppm) • Traces Mn, Si, C, V
Tungsten carbide	• W, Co, C
Agate	• SiO_2 (up to 0.3%)

The amount of adulterant is a function of grinding time and hardness of the sample. Please specify instructions suitable for your project.

Samples may be submitted to any laboratory in the SGS/Analabs/Lakefield network for shipment to Toronto.
See page 15 for details.
On-site sample preparation is also available for projects located in remote areas.

Method Code	*Procedure*		*Price*
PG205	Dry (<5kg), Crush to -2mm (10#), Split (200g), Pulverize to 75µ (200#), hardened steel		$ 6.10
PC02	Crush (<5kg to -2mm), split		$ 3.35
PCOW	Surcharge for crushing overweight samples	per kg	$ 0.65
		per lb	$ 0.35
PP02	Pulverize (200g) to 75µ (200#), hardened steel		$ 3.05
PP05	Pulverize (500g) to 75µ (200#), hardened steel		$ 3.50
PP10	Pulverize (1000g) to 75µ (200#), hardened steel		$ 5.00
PP20	Pulverize (2000g) to 75µ (200#), hardened steel		$ 7.00
PGT	Dry, crush and pulverize entire sample		$ 10.50 plus $2.10/kg
PXH	Hourly preparation rate		$48.00
PP01AH	Pulverize (<100g) to 100µ (150#), Agate mortor and pestle		$ 9.65
PP01A	Pulverize (100g) to 75µ (200#), Agate		$ 6.35
PP01W	Pulverize (100g) to 75µ (200#), Tungsten Carbide		$ 7.00
PPCL	Silica sand cleaner		$ 1.80
PX15	Specific Gravity		$ 8.65

Custom preparation on quotation

weighing and reporting

Method Code	*Procedure*		*Price*
[redacted]			*$2.50*
PX02	Sample lists when not provided		$ 0.35
PX03	**Sorting chaotic shipments**		**$ 0.35**
PD01	Drying bulk samples (<5kg, 105°C)		$ 1.50
PDOW	**Surcharge for drying overweight samples**	**per kg**	**$ 0.35**
		per lb	**$ 0.20**
PDEW	Surcharge for drying excessively wet samples		$ 1.60
PS180	**Sieving (<2kg) of soils or stream sediments to 180µ (80#)**		**$ 2.10**
PS106	Sieving (<2kg) of soils or stream sediments to 106µ (150#)		$ 2.90
PX07	Compositing (per sample included)		$ 1.80
PSWH	Wet sieving per hour		$48.00
PX11	Drying and blending humus		$ 3.00
PX12	Drying and macerating vegetation		$ 4.75
PX25	Extra drying charge for samples received in non-porous bags		$ 1.25
PX20	Heavy media separations		On Request
PX13	Preparation of lake sediments and other special procedures		On Request
PSA	Particle Size Analysis		On Request

Other Preparation Services

Please Provide Clear Instructions and Sample Lists to Prevent Delays.

See page 13 for sample shipping and storage

Geochemical Analysis

Elements and detection limits

		Method ICP70 Aqua Regia Digestion	Method ICP80 Multi Acid Digestion	Method ICP90 Na_2O_2 Fusion	Method ICP95 $LiBO_2$ Fusion	Method AAH70 Aqua Regia Digestion/ Hydride	Method AAH90 Na_2O_2 Fusion/ Hydride
Aluminum	Al	*.01 % - 15 %	*.01 % - 15 %	.01 % - 25 %	.01 % - 75 %	–	–
Antimony	Sb	*5 ppm - 1 %	15 ppm - 1 %	50 ppm - 10 %	–	.1 ppm - 1000 ppm	0.5 ppm - 1000 ppm
Arsenic	As	3 ppm - 1 %	13 ppm - 1 %	30 ppm - 10 %	–	.1 ppm - 1000 ppm	0.5 ppm - 1000 ppm
Barium	Ba	*1 ppm - 1 %	*1 ppm - 1 %	10 ppm - 10 %	10 ppm - 10 %	–	–
Beryllium	Be	.5 ppm-2500 ppm	.5 ppm-2500 ppm	5 ppm-2500 ppm	–	–	–
Bismuth	Bi	5 ppm - 1 %	5 ppm - 1 %	–	–	.1 ppm - 1000 ppm	0.5 ppm - 1000 ppm
Cadmium	Cd	1 ppm - 1 %	1 ppm - 1 %	10 ppm - 5 %	–	–	–
Calcium	Ca	*.01 % - 15 %	.01 % - 15 %	.01 % - 35 %	.01 % - 60 %	–	–
Chromium	Cr	*1 ppm - 1 %	*1 ppm - 1 %	10 ppm - 10 %	.01 % - 10 %	–	–
Cobalt	Co	1 ppm - 1 %	1 ppm - 1 %	10 ppm - 10 %	–	–	–
Copper	Cu	.5 ppm - 1 %	.5 ppm - 1 %	10 ppm - 10 %	–	–	–
Iron	Fe	*.01 % - 15 %	.01 % - 15 %	.01 % - 30 %	.01 % - 75 %	–	–
Lanthanum	La	*.5 ppm - 1 %	.5 ppm - 1 %	10 ppm - 1 %	–	–	–
Lead	Pb	2 ppm - 1 %	2 ppm - 1 %	20 ppm - 10 %	–	–	–
Lithium	Li	*1 ppm - 1 %	1 ppm - 1 %	10 ppm - 10 %	–	–	–
Loss on Ignition		–	–	–	.01 % - 50 %	–	–
Magnesium	Mg	*.01 % - 15 %	.01 % - 15 %	.01 % - 30 %	.01 % - 30 %	–	–
Manganese	Mn	*2 ppm - 1 %	*2 ppm - 1 %	10 ppm - 10 %	.01 % - 10 %	–	–
Mercury	Hg	**1 ppm - 1 %	–	–	–	–	–
Mercury	Hg	***5 ppb - 100 ppm	–	–	–	–	–
Molybdenum	Mo	1 ppm - 1 %	1 ppm - 1 %	10 ppm - 10 %	–	–	–
Nickel	Ni	*1 ppm - 1 %	1 ppm - 1 %	10 ppm - 10 %	–	–	–
Niobium	Nb	–	–	–	10 ppm - 10 %	–	–
Phosphorus	P	*.01 % - 15 %	.01 % - 15 %	.01 % - 25 %	.01 % - 25 %	–	–
Potassium	K	*.01 % - 15 %	.01 % - 15 %	.01 % - 25 %	.01 % - 25 %	–	–
Scandium	Sc	*.5 ppm - 1 %	.5 ppm - 1 %	6 ppm - 5 %	–	–	–
Selenium	Se	–	–	–	–	.1 ppm - 1000 ppm	0.5 ppm - 1000 ppm
Silicon	Si	–	–	–	.01 % - 90 %	–	–
Silver	Ag	.2 ppm - 10 ppm	.2 ppm - 10 ppm	–	–	–	–
Sodium	Na	*.01 % - 15 %	.01 % - 15 %	–	.01 % - 30 %	–	–
Strontium	Sr	*.5 ppm - 5000 ppm	.5 ppm - 5000 ppm	10 ppm - 1 %	10 ppm - 10 %	–	–
Tellurium	Te	–	–	–	–	.1 ppm - 1000 ppm	0.5 ppm - 1000 ppm
Tin	Sn	*10 ppm - 1 %	*10 ppm - 1 %	50 ppm - 5 %	–	–	–
Titanium	Ti	*.01 % - 15 %	.01 % - 15 %	.01 % - 25 %	.01 % - 25 %	–	–
Tungsten	W	*10 ppm - 1 %	10 ppm - 1 %	50 ppm - 5 %	–	–	–
Vanadium	V	*2 ppm - 1 %	2 ppm - 1 %	10 ppm - 5 %	–	–	–
Yttrium	Y	*.5 ppm - 1 %	.5 ppm - 1 %	5 ppm - 5 %	10 ppm - 10 %	–	–
Zinc	Zn	*.5 ppm - 1 %	.5 ppm - 1 %	10 ppm - 10 %	–	–	–
Zirconium	Zr	*.5 ppm - 1 %	*.5 ppm - 1 %	–	10 ppm - 10 %	–	–
Price per sample:							
One element:		$3.85	$11.15	$9.65	$9.65	$5.65	$9.65
Each additional element:		$1.65	$1.65	$1.65	$1.65	$3.30	$3.30
All elements:		$8.95	$14.40	$13.30	$21.00	$17.60	$21.85
Hg add-on:		** IC70Hg - $1.15					
Other add-ons:		***$3.30					

SGS

Whole Rock Analysis

SGS has over 35 years of unparalleled experience in the determination of the major rock components using x-ray fluorescence spectrometry on a **fused disc** prepared from a 2g sample.

The calibration program, based on the analysis of over 40 international standard reference materials, accommodates a wide range of sample materials including chromite and barite rich materials, providing accurate and high quality data. These methods are not suitable for sulphide rich minerals.

- **Method Code XRF103** is recommended for igneous petrology studies.
- **Volume discounts** for large exploration programmes can be arranged by contractual agreement.

Classical Whole Rock Package

Method Code	*Item*	*Samples per batch* 1–50	*Samples per batch* 51 plus
XRF100	Majors - SiO_2, Al_2O_3, CaO, MgO, Na_2O, K_2O, Fe_2O_3, MnO, Cr_2O_3, P_2O_5, TiO_2, Loss on ignition (lower reporting limit: 0.01%)	$ 35	$ 28
XRF102	With add on traces - Ba, Nb, Rb, Sr, Y, Zr (detection limit: 2 ppm; Ba - 20 ppm)	$ 40	$ 33
XRF103	With add on traces - Ba, Nb, Rb, Sr, Y, Zr (detection limit: 2 ppm; Ba - 20 ppm) - using pressed pellet	$ 45	$ 38

Method Code	*Elements*	*Method*	*Detection Limits*	*Price*
CHM111	FeO	Titration	0.1 %	$ 14
CHM112	**S**	**Leco**	**0.01 %**	**$ 13**
CHM113	Cl^-	Specific Ion	50 ppm	$ 11
CHM114	**CO_2**	**Coulometry**	**0.01 %**	**$ 14**
CHM115	H_2O^+	Penfield	0.1 %	$ 12
CHM116	**H_2O^-**	**Gravimetric**	**0.1 %**	**$ 9**
CHM117	C (organic)	Coulometry	0.05 %	$ 18
CHM118	C (total)	Leco	0.01 %	$ 14
CHM119	C (total) and S	Leco		$ 20

X-Ray Fluorescence Spectrometry

- ***Method Code:*** XRF7
- ***Price per sample:***

One element: **$8.80**

Each additional element: **$2.35**

A minimum of 5g of sample is required for this analysis. Please note that this technique is not suitable for highly mineralized samples. *See page 11.*

This method determines total metal concentrations using the **pressed pellet** technique eliminating potential dissolution problems.

Elements		*Detection Limits*	*Elements*		*Detection Limits*
Antimony	Sb	3 ppm – 4000 ppm	Nickel	Ni	2 ppm – 4000 ppm
Arsenic	As	3 ppm – 4000 ppm	Rubidium	Rb	2 ppm – 4000 ppm
Barium	Ba	20 ppm – 4000 ppm	Strontium	Sr	2 ppm – 4000 ppm
Bismuth	Bi	3 ppm – 4000 ppm	Tantalum	Ta	5 ppm – 4000 ppm
Cesium	Cs	5 ppm – 4000 ppm	Thorium	Th	2 ppm – 4000 ppm
Chromium	Cr	5 ppm – 4000 ppm	Tin	Sn	5 ppm – 4000 ppm
Cobalt	Co	2 ppm – 4000 ppm	Titanium	Ti	5 ppm – 4000 ppm
Copper	Cu	2 ppm – 4000 ppm	Tungsten	W	5 ppm – 4000 ppm
Gallium	Ga	3 ppm – 4000 ppm	Uranium	U	2 ppm – 4000 ppm
Lead	Pb	2 ppm – 4000 ppm	Yttrium	Y	2 ppm – 4000 ppm
Molybdenum	Mo	2 ppm – 4000 ppm	Zirconium	Zr	3 ppm – 4000 ppm
Niobium	Nb	2 ppm – 4000 ppm	Zinc	Zn	2 ppm – 4000 ppm

Mineralogical Analysis

X-Ray Diffraction analysis is offered on the Philips PW1710 diffractometer.

Method Code		*Price*
XRD1	Scan without interpretation	$ 40
XRD2	**Scan with identification of specific minerals**	**$ 70**
XRD3	Scan with full interpretation, but excluding clay speciation	$ 100
XRD4	**Scan with full interpretation and clay speciation**	**$ 400**

- *The above charges do not include clay separations.*

Request for Analysis

FOR LAB USE ONLY Date Received: W.O.#: Date Shipped: Carrier:

MasterCard VISA

Submitted by:
Quote #:
Purchase Order #:
Project: BRIDGES-VMS
Date Submitted: AUG. 15 /03

Hardcopy of Report to:
Organization: EMERALD FIELDS
Address (Code): RESOURCE CORP.
1546 PINE PORTAGE RD.
KENORA PC/Zip: P9N 2K2
Attn: ONT AL. MOWAT
Telephone: 807-468-7374
Fax: 807-468-9792
Email: emerald@voyageur.ca

Invoice to: ☒ Same ☐ 2nd Address
Fax to: ☒ Same or Fax #:
☐ Modem ☒ 3.5" diskette

Additional report to / 2nd Address:

Turnaround time required:
• *Please confirm with Laboratory*
24 hours (100% surcharge) ☐
48 hours (50% surcharge) ☐

Please Provide Clear Instructions and Prevent Delays

Storage Instructions:

	Rejects	*Pulps*
Free	30 days	90 days
Discard	☐	☐
Return (Collect)	☐	☐
Storage	☐	☐

See Schedule of Fees for Storage costs. Rejects will be discarded if instructions are not provided.

No. of Samples	Sample Numbers From	To	Sample Type	Specify Sample Prep Code	ICP80	XRF102					
29	EF-GL-88-04-01	EF-GL-88-04-29	CORE		✓	✓					
29	Total	29									

Notes / Special Instructions: ATTENTION: BONNIE, PLEASE PHONE ON RECEIVING FOR ADDITIONAL CLARIFICATION. NOTE IN THE CRUSHING / GRINDING STAGE THE USE OF ZIRCONIUM STEELS. WHOLE ROCK METHOD CODE XRF102 HAS Zr AS AN ELEMENT. ALSO WOULD YOU GIVE ME THE COMPLETE COST FROM A TO Z.

Sample Minerology
☐ Sulphide Rich ☐ Iron Rich
☐ Carbonate Rich ☐ Oxide Rich
☐ Graphite Rich

Prices in CDN Dollars (Prices do not include any applicable taxes)

SGS

Prices in CDN Dollars (Prices do not include any applicable taxes)

Request for Analysis

FOR LAB USE ONLY

Date Received: W.O.#: Date Shipped: Carrier:

MasterCard VISA

Submitted by:

Quote #:

Purchase Order #:

Project: BRIDGES - VMS

Date Submitted: AUG. 15 / 03

Hardcopy of Report to:

Organization: EMERALD FIELDS

Address (Code): RESOURCE CORP.

1546 PINE PORTAGE RD.

KENORA ONT PC/Zip: P9N 2K2

Attn: AL. MOWAT

Telephone: 807 - 468 - 7374

Fax: 807 - 468 - 9792

Email: emerald @ voyageur. ca

Invoice to: ☒ Same ☐ 2nd Address

Fax to: ☒ Same or Fax #:

☐ Modem ☒ 3.5" diskette

Additional report to / 2nd Address:

Turnaround time required:

• *Please confirm with Laboratory*

24 hours (100% surcharge) ☐

48 hours (50% surcharge) ☐

Please Provide Clear Instructions and Prevent Delays

Storage Instructions:

	Rejects	*Pulps*
Free	30 days	90 days
Discard	☐	☐
Return (Collect)	☐	☐
Storage	☐	☐

See Schedule of Fees for Storage costs. Rejects will be discarded if instructions are not provided.

No. of Samples	Sample Numbers From	To	Sample Type	Specify Sample Prep Code	Method Codes / Elements: ICP80	XRF102					
29	EF-GL-88 -04-01	EF-GL-88 -04-29	CORE		✓	✓					
29	Total	29									

Notes / Special Instructions: ATTENTION : BONNIE, PLEASE PHONE ON RECEIVING FOR ADDITIONAL CLARIFICATION. NOTE IN THE CRUSHING / GRINDING STAGE THE USE OF ZIRCONIUM STEELS. WHOLE ROCK METHOD CODE XRF 102 HAS Zr AS AN ELEMENT. ALSO WOULD YOU GIVE ME THE COMPLETE COST FROM A TO Z.

Sample Minerology

☐ Sulphide Rich ☐ Iron Rich

☐ Carbonate Rich ☐ Oxide Rich

☐ Graphite Rich

SGS

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F/13SE B-6 ✓

MILL CITY GOLD INC.

DIAMOND DRILL RECORD — **GAME LAKE, KENORA** — **HOLE NUMBER GL-88-04** — PAGE 1

PROVINCE: ONTARIO
TOWNSHIP: BRIDGES TWP.
CLAIM NO.: K-803838

LOGGED BY: J.A. HAMILTON
CHECKED BY: T. J. BOTTRILL
SURVEYED BY: NOT SURVEYED

GRID NAME: ORIGINAL
GRID EASTING: L36+00E
GRID NORTHING: 1+00S
SURVEY EASTING: 3589.000
SURVEY NORTHING: -104.000
SURVEY ELEVATION: 438.000
MEASUREMENT UNITS: METRES

DRILL COMPANY: FORAGE ST. LAMBERT
CORE SIZE: BQ
ASSAYS REPORTED IN: Au in ppb, others in ppm

DATE STARTED: 88/02/15
DATE COMPLETED: 88/02/22
(yy/mm/dd)

ATTITUDE TEST METHOD: ACID TEST
MATERIAL LEFT IN HOLE: 2.45 m BW CASING

SAMPLE TYPE: SPLIT CORE
LOCATION OF CORE: AT SITE

TOTAL DEPTH: 217.46

OBJECTIVE OR TARGET: To intersect an altered sulphide zone in the SOUTH ZONE, 200 m east of Rio hole 10
RESULTS, CONCLUSIONS: Anomalous gold assays reported at 188.19 to 195.00, silver and zinc at 100.61 to 120.88
COMMENTS: Collar surveyed by chaining from baseline, elevation from topographic profiles

DIP TESTS

DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP	DEPTH	AZIMUTH	DIP
COLLAR	165.0	-62.0						
30.00		-61.0	120.00		-58.0	210.00		-55.0
60.00		-60.0	150.00		-57.0			
90.00		-59.0	180.00		-56.0			

om)	To (m)	----------Description----------	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
.00	2.45	OVERBURDEN / CASING								
.45	95.70	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Microcrystalline, green to black with poor schistosity. 40 to 60% biotite, 20 to 30% quartz, 5 to 10% feldspar. Schistosity between 60 to 70 degrees to core axis. Trace disseminated sulphides throughout. 2.45 5.61 Broken core with 3 to 7 cm wide fragments. Garnet increasing to 1% from 4.50 metres; silicification zone from 4.80 to 5.45. Minor epidote alteration as bands up to 0.5 cm. 5.61 9.05 Dark green to black, weakly foliated schist. Schistosity at 70 degrees to core axis. No apparent sulphides. 9.05 9.15 Broken core, in 0.5 to 2 cm wide fragments. Rusty alteration on fracture surfaces. No apparent sulphides. 9.37 9.45 Broken core, in 0.5 to 1 cm wide slices perpendicular to core axis. No apparent sulphides are visible.								

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
9.45	9.46	Aplite, 1 cm wide, 30% biotite, 10% muscovite, 10% feldspar and 50% quartz; contacts are parallel to schistosity.								
9.52	12.95	Dark green to black weakly foliated schist. Schistosity at 70 degrees to core axis. No apparent sulphides.	80666	12.85	13.21	.36	15	.1	148	468
12.95	13.05	Quartz vein, white, massive, 10 cm wide, irregular upper and lower contacts, minor associated sulphides.								
13.05	19.60	Dark green to black weakly foliated schist with schistosity at 70 degrees to core axis and no apparent sulphides. Feldspar content increasing down hole to 8%.								
19.60	21.49	Garnet increasing from less than 1% to a maximum of 8% at 19.75, then decreasing down hole. The garnets appear to have been replaced by a dull, olive, microcrystalline product.								
21.49	21.90	Broken core, in 2 to 10 cm wide fragments. Carbonate exists on fracture surfaces. No apparent sulphides.								
21.90	21.94	Quartz vein, massive, 4 cm wide, minor associated sulphides, sharp upper and lower contacts.								
22.40	23.22	Gouge.	80667	23.26	24.00	.74	15	5.9	89	368
23.33	24.55	Silicified zone, no apparent sulphides, schistosity at 70 degrees to core axis. Minor carbonate alteration.								
24.55	24.67	Pegmatite, 70 to 80% quartz, 10 to 20% biotite, 5 to 10% feldspar, no apparent sulphides.								
24.67	27.00	Broken core, in 0.1 to 10 cm wide fragments. 0.2 to 0.5 cm diameter muscovite eyes exist between 25.38 and 25.70 metres. All show elongation parallel to schistosity. Silica and muscovite increase down hole and produce a layered, banded appearance. Weak schistosity persists.	80668	26.00	27.00	1.00	<5	1.0	74	205
27.00	30.00	Muscovite decreases down hole; eyes exist up to 28.00 m, then decrease. Some crystalline muscovite patchs exist (usually less than 3 cm diameter); 1 to 2% garnet.								
30.00	30.90	Quartz veins, up to 3 cm wide, usually have gradational contacts. Muscovite eyes reappear.	80669	30.00	31.14	1.14	<5	.4	63	220
30.90	30.95	Pegmatite, 5 cm wide, 30 to 50% coarse-grained feldspar, minor associated sulphides at contacts.								
31.00	31.05	Pegmatite, 5 cm wide, 30 to 50% coarse-grained feldspar, minor associated sulphides at contacts.								

m	To (m)	Description	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
31.10	35.00	Muscovite eyes disappear at 32.20 metres; mineralogy shows 20% muscovite, 10% biotite, 50 to 60% quartz. Weak schistosity formed by alignment of muscovite and biotite at 65 degrees to core axis, 1% garnet.	80670	31.53	32.20	.67	<5	.5	38	157
35.00	36.90	Carbonatization of core, some vuggy, crystalline carbonate pockets with 1% disseminated sulphides and 1% garnet.	80671	35.26	36.00	.74	<5	.1	4	310
36.90	43.30	Garnet increasing to 20 to 30%, smeared parallel to schistosity at 65 degrees to core axis. Garnet concentration produces banded texture. 1% magnetite throughout.	80672	38.00	39.00	1.00	<5	.4	16	245
			80673	42.08	42.95	.87	<5	.5	4	115
43.30	45.00	Garnet concentration drops to 1% dramatically and sulphide stringers are introduced. 2 to 3 % disseminated pyrite and pyrrhotite, 2% magnetite.	80674	43.61	44.52	.91	5	2.9	95	650
45.00	46.90	Sulphides drop dramatically to trace; garnet and muscovite eyes reappear. Euhedral Garnet up to 0.3 cm diameter throughout. 3% magnetite in bands parallel to schistosity.	80675	45.00	46.50	1.50	<5	.6	36	400
46.90	51.62	Silicified zone with 40 to 50% biotite, 30 to 40% quartz, 10 to 20% feldspar, minor garnet and muscovite. Schistosity is at 65 degrees to core axis. Trace to 1% finely disseminated sphalerite, pyrite, and pyrrhotite throughout. Magnetite is finely disseminated throughout (<2%).								
51.62	57.59	Garnet increasing to 10% in small (<0.1cm) crystals which are aligned with prevalent schistosity and appear smeared. Schistosity at 65 degrees to core axis.								
57.59	61.29	Silicification in upper section, garnet increasing to 20% down hole.	80676	58.78	59.47	.69	<5	.5	34	265
61.29	66.00	Sphalerite, trace to 1% throughout in broken core in 5 to 10 cm wide sections. Garnet mineralization increased and now forms discrete bands parallel to schistosity at 65 degrees to core axis. Locally silicified zones.	80677	63.05	64.06	1.01	<5	.8	39	228
66.00	72.00	Garnet 10 to 20%, 30 to 50% quartz, 2 to 8% feldspar, 20 to 30% biotite, minor magnetite and trace disseminated sulphides. Schistosity at 65 degrees to core axis. Minor druzy carbonate veins up to 2 cm wide with no apparent sulphides occur throughout.	80678	66.10	67.14	1.04	5	2.8	31	310
			80679	70.33	71.10	.77	<5	1.2	24	1350
72.00	73.86	Garnet decreasing to 2%. Weak schistosity at 65 degrees to core axis.								
73.86	74.03	Pegmatite, 40 to 50% feldspar, 50 to 55% quartz, no apparent sulphides.								
74.40	74.60	Quartz-carbonate vein, vuggy, massive, minor associated sulphides, irregular contacts.								
74.70	76.13	Silicified core, broken core, 1 to 4 cm wide at 75.50 in a hematitic alteration zone of competant rock.								

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From (m)	To (m)	Description			Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
		76.13	78.00	Fragments of broken core, 1 to 18 cm wide with increased garnet. Fractures are usually carbonate filled. Dark quartz eyes up to 0.1 cm diameter throughout. Weak schistosity at 65 degrees to core axis.								
		78.00	80.88	Massive silicified rock with quartz eyes in a chloritic, potassic feldspar sheared matrix with almost a complete lack of schistosity and foliation. No apparent sulphides.	80680	78.84	79.75	.91	<5	.3	36	79
		80.88	81.93	Increased biotite and a return of weak schistosity at 60 degrees to core axis.								
		81.93	81.98	Quartz-carbonate-chlorite vein, vuggy, 5 to 10% euhedral calcite, chlorite, minor quartz, minor associated sulphides.								
		82.30	82.67	Quartz eyes in a chloritic, potassic feldspar sheared matrix with almost a complete lack of schistosity and foliation. No apparent sulphides.								
		82.67	85.60	One to 3% garnet, 1 to 5% muscovite, minor sphalerite, trace magnetite. Weak schistosity at 65 degrees to core axis. Minor carbonate veins are parallel to schistosity with gradational upper and lower contacts.								
		85.60	88.33	Silicified core, weak to no schistosity. 2 to 8% biotite, 1 to 2% disseminated sulphides as stringers throughout.	80681	85.84	86.95	1.11	15	5.8	130	2280
					80682	88.12	88.56	.44	5	4.3	45	188
		88.33	88.48	Pegmatite, granitic, 70 to 80% orange red feldspar, 10 to 15% quartz, 2 to 5% hornblende, 2 to 5 % disseminated pyrite, 1 to 3% garnet, 2 to 5% biotite and muscovite. Gradational upper and lower contacts parallel to schistosity at 65 degrees to core axis.								
		88.48	89.75	Increasing biotite and muscovite with associated return of weak schistosity. Minor garnet and sulphides throughout.	80683	89.56	90.18	.62	35	9.7	200	2750
		89.75	89.90	Aplite, 70 to 80% quartz, 10 to 20% muscovite and biotite at contacts. No apparent sulphides internally but sulphides increase down hole as disseminated stringers.								
		89.90	94.11	Biotite, up to 60%, 1 to 2 % disseminated pyrite.								
		94.11	95.70	Pegmatite, granitic, two 10 cm lenses of foliated country rock, 30 to 40% orange red feldspar, 30 to 40% quartz, 5 to 10% biotite, 2 to 5% muscovite, 2 to 4% garnet. Minor sulphides occur between 95.15 and 95.25. Garnet increases to 8% within country rock lenses.	80684	95.15	95.45	.30	<5	8.4	115	690
.70	97.53	HORNBLENDE-RICH AMPHIBOLITE (UNIT 3) Microcrystalline, black to dark green hornblende quartz mica schist: 20 to 30% hornblende, 40 to 60% quartz, 10 to 15% biotite, 2 to 8% muscovite. Good schistosity at 70 degrees to core axis. No apparent sulphides.										

om	To (m)	Description
53	107.35	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A) Micro- to mesocrystalline, grey to light green garnetiferous schist with weak to poor schistosity at 55 to 65 degrees to core axis. 50 to 60% quartz, 5 to 15% biotite, 20 to 40% microcrystalline feldspar, 5 to 25% muscovite throughout, 1 to 10% garnet, 5 to 10% disseminated sphalerite increasing to 40% in areas, minor epidote and chlorite. Pyrite, pyrrhotite and chalcopyrite occur as finely disseminated stringers parallel to schistosity. 98.10 98.90 Highly altered zone with up to 30% garnet in areas. Garnet appears to replace feldspar and is itself replaced by epidote. Chlorite and epidote bands throughout. 1 to 2 % disseminated pyrite. 99.40 101.95 Increased garnet up to 40% in sub- to euhedral crystals. Muscovite increases down hole to 5%. 101.95 102.30 Pegmatite, including a 3 cm lens of country rock. Trace to 1% disseminated pyrite. 102.30 103.70 Altered zone with up to 20% garnet in areas. Garnet appears to replace feldspar and is itself replaced by epidote. Chlorite and epidote bands throughout. 1 to 2 % disseminated pyrite but may be up to 5% in 1 cm wide localities. Muscovite persistant at 5%. 103.70 104.12 Pegmatite, 40 to 45% orange red feldspar, 50 to 55% quartz, minor muscovite and biotite. Sillimanite occurs as a series of interconnected, fibrous lenses up to 0.2 cm wide. 104.12 105.05 Muscovite and disseminated pyrite increasing down hole.. Garnet replaces feldspar. Entire section is epidotized. 105.05 105.20 Pegmatite, 30 to 35% feldspar as crystals up to 5 cm in diameter. No apparent sulphides. 105.64 106.04 Serpentinized zone with lenses and bands of massive serpentine. 1 to 3% disseminated sulphides in stringers parallel to schistosity. 106.55 106.61 Quartz vein, massive, white, 6 cm wide, 10% sillimanite lenses which parallel contacts and schistosity. 106.61 107.30 Sillimanite lenses parallel to schistosity. 107.30 107.35 Sillimanite lenses disappear abruptly.

Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm	
80685	97.78	98.66	.88	<5	4.3	59	1200	
80686	100.63	101.31	.68	1.75 5	2.64*	255	2.37%	4.61
80687	101.60	102.21	.61	2.03 15	4.49*	178	1.15%	0.70
			1.29		3.50 opt		1.79%	
80688	104.27	104.79	.52	<5	1.88*	213	2.08%	
80689	105.50	106.21	.71	5	2.48*	86	1.30%	

* Silver assays in oz/tonne

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From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
)7.35	114.17	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6)								
		Weak to poor schistosity down hole. 40 to 55% quartz, 10 to 20% microcrystalline feldspar, 1 to 5% garnet increasing down hole, 10 to 15% muscovite 1 to 2% finely disseminated pyrite throughout. Fairly uniform composition.	80690	107.67	108.00	.33	15	18.5	172	610
		107.83 107.90 Quartz vein, dark, massive, cross-cutting schistosity, sharp upper and lower contacts with minor disseminated pyrite.								
4.17	125.28	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A)								
		Light to dark grey, micro- to mesocrystalline schist with well devleoped schistosity at 65 degrees to core axis. 40 to 50% quartz, 10 to 20% muscovite, 10 to 15% biotite, 1 to 15% garnet increasing downhole, trace sillimanite, 1 to 10% disseminated pyrite and pyrrhotite, 1 to 5% sphalerite. Magnetite increases down hole to 1%. 1 to 2% porosity.	80691	114.52	114.97	.45	15	1.32*	270	3.76%
			80692	114.97	115.78	.81	1.97 15	1.71*	138	2.92%
			80693	115.78	116.49	.71	20	5.16*	122	3.54%
		116.17 116.20 Quartz vein, 3 cm wide with sphalerite and pyrite concentrated at contacts. Fine stringers of muscovite and pyrite throughout.	80694	117.93	119.44	1.51	5	21.0	36	4900
		118.03 118.05 Quartz vein, dark, 2 cm wide, irregular contacts. Pyrite and sphalerite concentrated at contacts.								
		118.43 118.55 Zone is intruded by irregular aphanitic to phaneritic pegmatite. Garnet increases within country rock.								
		119.25 119.35 Quartz vein, irregular contacts, dark. Pyrite, sphalerite concentrated at contacts; minor internal pyrite.								
		119.80 119.85 Aplite, 5 cm wide with dark quartz and orange red feldspar, minor associated sulphides at contacts.								
		120.00 120.07 Quartz vein, dark, massive, garnet concentrated at contacts.	80695	120.00	120.88	.88	<5	23.0	54	1250
		122.18 122.21 Aplite, dark quartz has garnet and minor pyrite concentrated at contacts.								
		123.53 123.55 Aplite, dark quartz has garnet and minor pyrite concentrated at contacts.								
		124.50 125.00 Euhedral garnet, 0.1 to 0.2 cm diameter composes 10 to 15% of rock.								
		125.03 125.08 Quartz vein, massive, white, contacts parallel to schistosity at 65 degrees to core axis.	80696	125.25	126.35	1.10	<5	11.0	27	500

* Silver Assays in oz/tonne

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From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
28	130.92	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6) Grey to light grey, well foliated schist: 40 to 50% quartz, 5 to 10% biotite, 10 to 15% muscovite, 10 to 25% microcrystalline feldspar, 2 to 5% garnet, 5 to 10% magnetite, 2 to 5% disseminated pyrite.								
		125.62 125.65 Pegmatite, 3 cm wide, sharp upper and lower contacts. No apparent sulphides.								
		126.95 127.05 Quartz vein, 1 cm wide, biotite concentrated at contacts.	80697	127.70	127.94	.24	15	8.7	71	1050
		127.76 127.90 Quartz vein, 15 cm wide, 15% biotite-muscovite-pyrite masses.								
		128.10 128.55 Broken core, possible lost core.								
		129.40 129.45 Quartz vein, 5 cm wide, sharp upper and lower contacts with no apparent sulphides.	80698	130.15	130.88	.73	5	4.4	59	440
		130.62 130.65 Aplite, 3 cm wide, biotite concentrated at irregular upper and lower contacts.								
92	139.14	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A) Grey to light grey schist with poor schistosity at 65 degrees to core axis; 40 to 50% quartz, 2 to 10% biotite, 15 to 20% muscovite, 10 to 20% microcrystalline feldspar, 5 to 8% sillimanite, 1% garnet, 2 to 5% disseminated pyrite, trace magnetite and pyrrhotite. Sillimanite occurs as elongate masses parallel to schistosity.								
		130.92 132.91 Weak to poor schistosity. Garnet increasing to 2% down hole, minor magnetite.								
		132.91 133.00 Pegmatite. Irregular contacts.								
		133.50 133.75 Chlorite filled fracture up to 0.5 cm wide.								
		134.00 134.16 Pegmatite, irregular contacts. 10 to 15% large orange red feldspar crystals.	80699	134.47	135.23	.76	20	8.0	73	243
		134.60 134.64 Quartz vein, massive, white, irregular contacts. No apparent sulphides.								
		134.75 134.85 Pegmatite, 30 to 35% orange red feldspar. Biotite concentrated at contacts.								
		135.13 135.15 Quartz vein, dark, irregular contacts surrounding a lens of biotite muscovite and sulphides.								
		135.75 135.90 Pegmatite, granitic, 3 to 5% hornblende. Sillimanite concentrated at contacts.								
		137.25 137.60 Noticable increase in garnet: 10 to 20% increasing down hole	80700	137.58	138.55	.97	5	5.1	56	270
		137.60 138.00 Silicified zone with up to 70% quartz and 15% garnet.								
		138.00 139.43 Garnet, 20 to 25%.								

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From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
39.14	139.43	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Grey to dark grey, poorly foliated schist: 30 to 40% biotite, 30 to 40% quartz, 10 to 25% feldspar, 1 to 8% garnet								
9.43	142.07	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A) Grey to light grey, weak to poor schistosity at 65 degrees to core axis: 40 to 50% quartz, 2 to 10% biotite, 15 to 20% muscovite, 10 to 20% microcrystalline feldspar, 5 to 8% sillimanite, 6 to 10% garnet, 2 to 5% disseminated pyrite, trace magnetite and pyrrhotite. Sillimanite occurs as elongate masses parallel to schistosity. 140.45 140.55 Euhedral garnet up to 0.3 cm diameter.	80801	140.16	140.82	.66	15	4.5	84	210
2.07	144.45	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Grey to dark grey, poorly foliated schist: 30 to 40% biotite, 30 to 40% quartz, 10 to 25% feldspar, 1 to 8% garnet. Trace to 1% disseminated sulphides throughout.	80802	142.94	143.66	.72	15	3.3	70	685
		143.00 143.55 Quartz veins, white, massive, up to 3 cm wide. Biotite and muscovite concentrations at contacts. Schistosity has been interrupted locally. Trace to 1% garnet outside of quartz vein. 143.88 143.90 Quartz vein, massive, white, some included sulphides (< 1%).	80803	143.81	144.25	.44	15	5.5	165	370
		144.05 144.30 Quartz vein, unevenly fractured. Garnet, biotite, muscovite, sillimanite and pyrite concentrations are increased within a large, altered country rock clast which is bounded by a dark quartz vein. Sillimanite and biotite alteration is concentrated at lower contact.	80804	144.33	144.91	.58	55	10.0	590	270
4.45	144.75	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A) Small zone of quartz feldspar schist with sillimanite in elongate lenses parallel to schistosity. Abrupt lower contact.								
4.75	148.79	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Grey to dark grey, poorly foliated schist: 30 to 40% biotite, 30 to 40% quartz, 10 to 25% feldspar, 1 to 8% garnet. Trace to 1% disseminated sulphides. 145.25 145.45 Broken core with small quartz-carbonate veins throughout. 145.45 146.00 Garnet increasing to 2%.	80805	145.88	146.78	.90	5	2.5	105	1250
			80806	148.28	148.75	.47	5	1.3	52	400

m	To (m)	------------------------Description------------------------	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
79	166.28	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Box # 26 (148.79 to 154.69) and box # 28 (160.57 to 166.28) were dropped by drilling crew and intermixed. Accurate reconstruction of broken and ground core is impossible. Distances between these intervals are of questionable accuracy.								
		149.00 149.09 Felsic granitoid. No apparent sulphides								
		150.60 151.53 Sillimanite lenses increased.	80807	150.73	151.58	.85	5	1.0	30	130
		154.69 155.05 Increased biotite banding and better schistosity.								
		156.18 161.13 Silicified zone with 5 to 15% garnet in euhedral masses. With schistosity throughout.	80808	158.20	159.03	.83	<5	.1	9	510
			80809	159.03	160.58	1.55	5	.1	11	530
		161.50 166.28 Unaltered biotite-feldspar-quartz schist.								
28	187.29	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Microcrystalline, grey to dark grey weakly foliated schist with generally homogeneous mineralogy: 40 to 50% quartz, 30 to 50% biotite, 10 to 20% microcrystalline feldspar, 5 to 10% muscovite, minor sphalerite, trace sulphides. Dominant schistosity at 60 degrees to core axis. Entire section is virtually barren of sulphide mineralization.								
		166.68 166.90 Euhedral garnet, 1%.								
		166.90 166.95 Quartz-carbonate vein, vuggy, minor alteration at upper and lower contacts. No apparent sulphides.								
		167.67 167.71 Quartz vein, fractured, 2 to 5% biotite inclusions. No apparent sulphides.								
		168.68 168.71 Quartz vein with carbonate vein at upper contact. Appears to disrupt schistosity locally. No apparent sulphides.								
		169.18 169.48 Aplite, 30 to 40% muscovite, 20 to 30% quartz, 20 to 30% feldspar. Sharp upper and lower contacts parallel to schistosity. Minor associated sulphides at lower contact.	80810	169.24	169.55	.31	5	.5	12	650
		171.30 173.10 Chloritized zone with 1% garnet.								
		174.00 175.00 Alternating bands, 5 to 10 cm wide of garnet rich and silica rich rock. Trace to 1% disseminated sulphides throughout.								
		179.78 180.90 Chloritized zone with numerous fractures sub-parallel to core axis. Carbonate infills all fractures unconditionally.								
		186.72 187.25 Pegmatite, 20 to 40% quartz, 30 to 50% feldspar, 10 to 20% biotite, 5 to 10% muscovite, 1% garnet, 1% hornblende.								
9	188.25	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A) Gradational contact between biotite-feldspar-quartz schist (UNIT 1) and quartz-feldspar plus or minus sericite, sillimanite, muscovite, garnet schist (UNIT 6A). Muscovite and garnet are increasing, biotite is decreasing.	80811	188.19	189.61	1.42	175	4.4	148	205

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From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
.25	195.52	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A) Microcrystalline, grey finely laminated foliation caused by alternating bands of muscovite and feldspar with biotite and magnetite. 1 to 5% disseminated sulphides throughout.								
		189.60 189.62 Disseminated pyrite zone, 2 cm wide with 60% pyrite.	80812	189.61	189.95	.34	545	12.7	498	515
		190.63 190.75 Chloritic alteration zone.								
		190.83 190.86 Finely disseminated graphite zone.	80813	190.68	191.08	.40	155	1.7	25	375
		191.00 192.17 Sillimanite garnet zone. Sillimanite surrounding euhedral garnet in lenses parallel to schistosity. 5% sillimanite, 10 to 15% garnet.	80814	191.08	192.00	.92	80	.9	8	205
		192.00 193.00 Pegmatite throughout, up to 1 cm wide, no apparent sulphides.	80815	192.00	192.58	.58	225	2.0	25	193
			80816	192.58	194.08	1.50	60	1.2	21	260
		193.00 194.30 Garnet increasing down hole from 5% to 10%.	80817	194.08	195.00	.92	75	.4	13	105
		194.30 194.35 Pegmatite, 35 to 45% orange red feldspar, 55 to 60% quartz, sharp upper and lower contacts, no apparent sulphides.								
		194.35 195.27 Sillimanite garnet zone. Sillimanite surrounding euhedral garnet in lenses parallel to schistosity. 5% sillimanite, 10 to 15% garnet.	80818	195.00	195.52	.52	20	.9	47	590
		195.27 195.35 Pegmatite, 35 to 45% orange red feldspar, 55 to 60% quartz, sharp upper and lower contacts, no apparent sulphides.								
.52	195.89	PEGMATITE (UNIT 9)								
		195.52 195.54 Biotite, chlorite, graphite band parallel to schistosity.	80819	195.52	195.87	.35	<5	.1	3	20
		195.54 195.89 Pegmatite with orange red feldspar and sharp upper and lower contacts with no apparent sulphides.								
.89	202.05	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Microcrystalline, grey to dark grey schist with weak foliation. 40 to 50% biotite, 30 to 40% quartz, 5 to 10% muscovite, 20 to 30% microcrystalline feldspar, minor garnet, magnetite and pyrite.								
		196.45 196.52 Quartz vein, massive, white, sharp upper and lower contacts, no apparent sulphides.								
		197.40 197.87 Pegmatite, pink, no apparent sulphides.								
		201.42 201.47 Quartz vein, massive, white, sharp upper and lower contacts, no apparent sulphides.	80820	201.83	202.87	1.04	175	4.1	620	500
		201.92 202.05 Quartz vein, massive, white, irregular upper and lower contact, no apparent sulphides.								

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From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Intv (m)	Au ppb	Ag ppm	Cu ppm	Zn ppm
2.05	203.11	QUARTZ-FELDSPAR PLUS OR MINUS SERICITE, SILLIMANITE, MUSCOVITE, GARNET SCHIST (UNIT 6A) Microcrystalline, grey finely laminated foliation caused by alternating bands of muscovite and feldspar with biotite and magnetite. 30 to 50% quartz, 20 to 30% feldspar, 10 to 25% biotite, 10 to 15% garnet, 5 to 8% muscovite, 5 to 10% magnetite, 1 to 5% disseminated sulphides. 202.40 202.77 Euhedral garnets up to 0.8 cm. 202.88 208.93 Aplite, intruded parallel to and along schistosity.								
3.11	205.30	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Microcrystalline, grey to dark grey schist with weak foliation. 40 to 50% biotite, 30 to 40% quartz, 5 to 10% muscovite, 20 to 30% microcrystalline feldspar, minor garnet, magnetite and pyrite. 203.12 203.22 Pegmatite, contacts parallel to schistosity. No apparent sulphides. 204.52 204.56 Pegmatite, contacts parallel to schistosity. No apparent sulphides.								
5.30	209.88	PEGMATITE (UNIT 9) 20 to 40% quartz, 40 to 60% orange red feldspar, 2 to 5% hornblende, no apparent sulphides. 205.35 205.45 Biotite-feldspar-quartz schist. 205.50 205.60 Biotite-feldspar-quartz schist. 206.70 207.00 Biotite-feldspar-quartz schist. 207.00 207.01 90% biotite. 207.10 207.22 Biotite-feldspar-quartz schist. 209.17 209.30 Hornblende, 5% in euhedral crystals.								
9.88	217.46	BIOTITE-FELDSPAR-QUARTZ SCHIST (UNIT 1) Micro- to mesocrystalline, light grey to dark grey weakly foliated schist with numerous concordant quartz veins up to 1 cm wide. 40 to 50% biotite, 30 to 40% quartz, 5 to 10% muscovite, 20 to 30% microcrystalline feldspar, minor garnet, magnetite and pyrite. 212.28 212.42 Quartz veins, three, sinistrally sheared, 1 cm wide. Line of shear at 145 degrees to core axis. No apparent sulphides.	80821	212.40	213.00	.60	40	.6	47	127
		212.42 212.90 Microcrystalline biotite, graphite, chlorite composing 95% of rock, dark black with greasy lustre. 213.00 214.65 Quartz veins, white, 1 cm wide, barren. 214.65 217.00 Biotite content increasing down hole with return of good schistosity.								
7.46		END OF HOLE								

described in the "*Report on the Game Lake Property: 1997 Exploration Program by Brenda MacMurray and Michael Thompson for Tri Origin Exploration Limited, dated November 27, 1997, pages 8, 9, 10 and 11.*" (Note: A major of the rock unit descriptions are within the confines of the property. The remainder just outside the area of interest on examining the excerpts from this report.)

- Figure "A"-

Tri Origin Recommendations and Conclusions: Refer to the above reference report pages 14,15, and 16.

- Figure "B"-

Discussion:

The author over the course of the last several years - Fall of 2001; Spring to Fall of 2002 , and Spring and Summer of 2003 - has made geological / prospecting excursions; particularly, within the eastern end of the claim group.

As a result of this activity, supported by the previous companies assessment work files and recommendations, that a constructive exploration modeling was required to further redefine target areas of merit. To meet this requirement, the following parties are involved in the project:

Mr. Alan Raoul and Mr. Craig Ravnaas,.District Geologists, Kenora Mining Division, Ontario and the services of ZONE 14, Winnipeg, Manitoba.

ZONE 14 are providing GIS (information sheet attached) and MapInfo support. The author has and is providing the mentioned hard copies of the pervious filed assessment reports, maps et cetera in conjunction with field GPS co-ordinates. The end result is compilation of all the exploration data in 2 and 3 dimensional map format which enhances targets.

The other approach is the reassessment of the geology and mineralization by re-sampling of the drill core both left and located in the field and in core storage at the Kenora Core Library. Three analytical methods are being used: 1/. Geochemical Analysis - multi-element,
2/. Whole rock - rock unit definition and
3/. Elements from the above to define decreasing / increasing mineralization. In other words, Na and Ca depletion $< 1\%$, $K > 4\%$, $Mg > 2\%$, $Ba > 2{,}000$ ppm and $Mn > 2{,}000$ ppm. Input, thoughts and options provided and supported.by the staff of Kenora District Resident Geologist Office.

Portions of drill hole No. GL-88-04 - (drill log attached) stored at the Kenora Core Library - have been sampled and submitted to SGS Minerals Services, Toronto, Ontario for analysis. The two packages are ICP80 - geochemical analysis- and XRF102 - whole rock (attached). Additional drill hole sampling is continuing.

The purpose of this ongoing exploration program is the continuation of Tri Origin's target recommendations and the introduction of others by the reassessment of existing drill core and exploration data - geology, geophysics and rock chemistry - to locate deposits of Au, Ag, Cu, Zn and rare-metals, Ta, Cs and Beryl. The method is the use of GIS profiling technology.

* Please Note corrections to Figures "A to C"

Rock Unit Descriptions:

Unit 1 - Biotite-Feldspar-Quartz Schist

6- Quartz-Feldspar +/- Sericite, Sillimanite, Muscovite, Garnet Schist

6A- Alterated Quartz-Feldspar +/- Sericite, Sillimanite, Muscovite, Garnet Schist with visible sphalerite, pyrite and pyrrhotite

- Figure "C"-

Report by: Alasdair J.M. Mowat C.E.T.

Report dated: August 18th, 2003
Report dated at: Kenora, Ontario

FIGURES

Figure "A" : Geology

"B": Tri-Origin Recommendations and Conclusions

"C": Data Sheet for Diamond Drill Hole # GL-88-04

FIGURE "A"

Geology

Geology:

The geology of the Bridges / Fairservice property, also know as the Game Lake area is best described in the "*Report on the Game Lake Property: 1997 Exploration Program by Brenda MacMurray and Michael Thompson for Tri Origin Exploration Limited, dated November 27, 1997, pages 8, 9, 10 and 11.*" (Note: A major of the rock unit descriptions are within the confines of the property. The remainder just outside the area of interest on examining the excerpts from this report.)

"Report on the Game Lake Property: 1997 Exploration Program

by
Brenda MacMurray and Michael Thompson
for
Tri Origin Exloration Limited
dated November 27, 1997

" Rocks of the Game Lake area are part of the Archean-aged Wabigoon tectonic assemblage within the Superior Province. The property encompasses mafic to felsic metavolcanics and metasediments of the Vermilion Bay Greenstone Belt. This zone is bounded by the metasedimentary English Subprovince to the north and by the Dryberry Batholith to the south. Geology of the Game Lake area consists of several east- to northeast-striking, steeply north-dipping and south-facing rock units. The major units (Figure 3, back pocket) include mafic to felsic (mostly intermediate) metavolcanics in the north and southwest parts of the property which grade into reworked metavolcanics and metasediments in the central and eastern parts of the area. Iron formation outcrops (both siliceous oxide and sulphide types) are found scattered throughout the property. Granitic pegmatite and granite dykes and sills cut most rock units in the area and are thought to be a volatile-rich phase of the Dryberry Batholith. Rocks in this area have reached Upper Amphibolite Facies metamorphism.

The seven major rock units on the Game Lake Property (Figure 3) include the following, in order of abundance (most to least):

Metasediments - These are commonly biotite- or hornblende-rich, occasionally muscovite-bearing or rarely garnetiferous wackes and rarely calc-silicate, quartzite and sandstone. The calc-silicate is diopside-rich and green to black in colour. Metasediments are usually light to dark grey, sometimes greenish (particularly the calc-silicate), fine to medium grained, occasionally gneissic and usually foliated. Foliation is easily seen by the alignment of micas or hornblende. Rocks that were mapped as arkosic or quartzose wackes, quartzites and sandstones could be related to felsic metavolcanics (reworked?).

Intermediate Pyroclastic - This unit is a light to medium grey, ash, lapilli, crystal or most frequently bomb/block tuff with up to 15-20% mafic minerals including biotite, hornblende and occasionally magnetite. The bombs and blocks are coarser (fine to medium) grained than the ash matrix, granodioritic in composition and frequently stretched parallel to foliation. They most often have soft edges and therefore are bombs but occasionally have the more distinct or sharper edges of blocks. The intermediate pyroclastic rock is occasionally to rarely gneissic in appearance but this is most likely caused by very stretched fragments. Occasionally, the rock appears more sedimentary in nature. At intervals, alteration includes silicification and rarely potassic or chlorite alteration.

Felsic Metavolcanics - This unit consists of greyish-white to light grey, frequently silicified ash, lapilli, bomb/block and rarely quartz crystal tuffs. There is occasional potassic or sericite alteration found as well. There are minor mafic minerals present, up to 5-10%, and these include biotite, hornblende and rarely magnetite. The felsic metavolcanics are commonly schistose or stretched with muscovite or sericite marking the foliation, particularly in the area around Harrison Lake (Main Zone Target Area). This unit frequently appears reworked, especially in the northeast part of the property.

Granitic Pegmatite/Granite - These rocks are coarse grained and pink or rarely to occasionally white. They intrude as sills, dykes or occasionally lenses and in some cases were seen to cut across foliation. Sill and dykes are frequently either folded or boudinaged.

Iron Formation - This unit is mostly siliceous oxide iron formation with up to 70% magnetite found in outcrop. Occasionally pyrite- and pyrrhotite-rich sulphide iron formation is found. Always magnetic, these rocks are often punky and rusty with occasional hematite staining. Brecciated iron formation was also seen west of Leigh Lake with rusty fragments in a siliceous matrix. It is uncertain whether any of these units are truly iron formation. Localized and concentrated sulphide and oxide mineralization over centimeters to meters within metavolcanics and metasediments may be a more accurate description of this occurrence. Another related unit is often closely associated with iron formation on the property. This "lean iron formation" unit is a garnetiferous amphibolite and is frequently chlorite-bearing and occasionally magnetite-bearing as well.

Gabbro - This rock is medium to dark grey-green or light grey with dark green to black clots of pyroxene (augite). It is medium (to coarse) grained and occasionally amphibolitic in composition.

Mafic Metavolcanics - This unit is medium to dark grey-green, fine grained and is frequently chloritic.

The three most abundant units on the Game Lake Property, intermediate pyroclastics, metasediments and felsic metavolcanics, are very likely related. The intermediate and felsic metavolcanics are probably proximal and distal (respectively) rocks of the same sequence. The metasediments could be reworked metavolcanics. Conversely, the felsic metavolcanics might be bleached and silicified metasediments. Because of the degree of metamorphism in the area and the alteration, it was difficult to determine the protoliths of the rocks. There was an outcrop in the northeast that appeared to be almost syenitic in composition. However, upon closer inspection, it was decided that it was a metavolcanic that had undergone very strong potassic alteration.

Alteration on the Game Lake Property, particularly silicification and sericitization, appears to be concentrated in the Main Zone (Target #6, described below) and the Octopus Lake NW Area (described below). Elsewhere on the property, silicification is quite common and occurs mostly in the metavolcanics, potassic alteration and sericitization occur occasionally and chlorite and epidote alteration are rare. Potassic alteration is slightly more common in the northeast (Targets #1 and 2 and the Northern Zone, both described below). Alteration is noted most often in the felsic metavolcanics which could indicate that these rocks are altered versions of the metasediments.

While mapping, the strike of bedding was difficult to detect due to extensive stretching of the rock units and the high grade of metamorphism. The overall strike of foliation is approximately 225-270° and dip is approximately 50-70° northward. In the northeast part of the property, foliation was found to strike approximately 250-270° and dip 50-60°. In the southeast, the strike of foliation had a greater range, from 220-280°, averaging around 240°. Dips in the southeast ranged as well, from 50°-vertical. South of Harrison Lake, dips are steeper at 75°-vertical. In the north-central part of the property, around Leigh Lake, foliation ranges quite widely, from 220-310° and dips are northward 40-65° where measurable. However, magnetic iron formation was found throughout this area so these measurements may not be accurate. The south-central area foliation strikes 215-230°, slightly more southwesterly than the property average, and dips 50-80°. The southwest area displays strike of foliation at 215-280° and dipping 35-60°. In the northwest, on Gordon Lake Road, particularly near the highway, the foliation direction is erratic, varying widely over a short distance. Around the northern part of Octopus Lake, the foliation appears to swing approximately east-west (to ENE-WSW). Pryslak (1976, ODM-GR130) hypothesized about a conical fold, plunging southwest and centered around Octopus Lake. This theory may explain the change in foliation in this area. Plunges of clasts within the intermediate pyroclastic were found to be 30-60° along the Highway 17 in the central part of the property and approximately 45° off of Experimental Lake Road in the southwest.

Generally, directions of foliation vary more in the southern part of the Game Lake Property, closer to the Dryberry Batholith. Differences in strike of foliation between the geophysically interpreted domains (Figure 3) is very subtle. Foliations may be slightly closer to southwest (~225°) in the west than the foliations in the eastern domains which strike WSW.

FIGURE "B"

Results of the 1997 Game Lake exploration program show that the property has great potential. It is recommended that five target areas be considered for future work (Figure 5). These targets were selected based on a number of factors including geology, geophysical anomalies (airborne and ground), significant assays (from ddh and surface samples) and untested previous drill targets.

<u>*Northern Zone Target Area*</u> (UTM: 450 550mE, 5 521 550mN; 452 210mE, 5 522 100mN; 450 670mE, 5 521 200mN; 452 330mE, 5 521 750mN): Due to favourable geology, previous drilling that did not effectively test the IP and surface assay anomalies, and anomalous Au and Ag in drill core, this area warrants further investigation. Stripping and trenching are recommended around surface assay anomalies (in particular, Rio Algom's 2500 ppb Au surface showing, which must be located first) and around the untested IP anomalies. Three drill holes are also recommended to test Au anomalies at depth and to cover the untested IP. In order of priority, these are:

A (to test IP and Au) L32+00E, 2+00N, UTM: 451 450mE, 5 521 660mN, azimuth: 160°, dip: 60°, length: 250m

B (to test IP) L29+00E, 3+00N, UTM: 451 120mE, 5 521 660mN, azimuth: 160°, dip: 60°, length: 200m

C (to test Au) L36+50E, 2+00N, UTM: 451 890mE, 5 521 800mN, azimuth: 160°, dip: 60°, length: 250m

<u>*Main Zone Target Area*</u> (Target #6, UTM: 445 000 - 450 400mE, 5 520 500mN; 451 190mE, 5 520 500mN and 450 000 - 450 400mE, 5 521 000mN; 451 035mE, 5 521 205mN):

Favourable geology, an airborne magnetic high, multiple AEM conductors and anomalous Au, Ag, Cu and Zn in previous drilling are the criteria to show that this area warrants further investigation. Sufficient space to permit the inclusion of the minimum size criteria for an ore body was left between previous drill holes with anomalous assays. Therefore, further drilling is recommended to test IP, surface and ddh Au. In order of priority, the following drill holes are recommended:

A L20+00E, 1+00S, UTM: 450 425mE, 5 520 950mN, azimuth: 160°, dip: 60°, length: 200m

B L18+00E, 0+50S, UTM: 450 210mE, 5 520 940mN, azimuth: 160°, dip: 60°, length: 200m

C L26+50E, 0+25S, UTM: 451 020mE, 5 521 230mN, azimuth: 160°, dip: 60°, length: 250m

Rio BL Drill Road Target Area (UTM: 448 270mE, 5 520 120mN; 449 600mE, 5 520 760mN; 449 410mE, 5 521 120mN; 448 070mE, 5 520 470mN): This zone is located west of the Main Zone on the Rio Algom drill road that originates where the baseline of the grid meets Hwy. 17 (just west of Stewart Lake Lodge). This area includes several diamond drill holes with anomalous assays (2.06g/t Au, 18g/t Ag, 0.71% Zn) from Rio Algom's 1986 program and anomalous grab samples (504ppb Au; 64.7ppm Ag; 100ppm Co; 4040ppm Pb; 7320ppm Zn) from Tri Origin's 1997 exploration program. A more detailed look at the geology of this area and resampling the 1986 Rio drill core (if it can be located) is recommended.

Blue Sky Target Area (UTM: 450 000mE, 5 521 250mN; 450 450mE, 5 521 650mN): A high airborne magnetic signature which indicated the possible presence of a fold nose and a moderate to strong AEM anomaly was the reason for the interest in this target area. The strong IP anomaly that runs through the Northern Zone may pass right through the centre of this area but the survey ends here. There is another more diffuse IP trend that passes through the southern part of this target area. No previous work has been recorded for this zone. Detailed mapping and assay sampling is recommended.

Southern Zone Target Area (UTM: 450 290mE, 5 520 380mN; 452 350mE, 5 521 120mN; 452 270mE, 5 521 360mN; 450 200mE, 5 520 610mN): This zone is located south of the Main Zone at and near the contact of the metasediments and felsic metavolcanics with the Dryberry Batholith. This zone has likely experienced the effects of contact metamorphism with the Dryberry Batholith. The area has not been effectively investigated by Rio Algom, Mill City or Noranda. Mill City's drill holes GL88-03 and GL88-08 were too short to adequately test the mineralization and IP anomalies found in this area. Mill City recommended that GL88-03 and -08 be deepened to test this target. Detailed mapping and assaying of this area is recommended. Extending the IP survey to cover this zone would also be useful to check the extent and strength of the IP targets.

There are similarities between the Game Lake Property and the Manitouwadge camp massive sulphide deposits (Geco, for example) including rock units and grade of metamorphism (upper Amphibolite Facies). Within the Manitouwadge Synform, intermediate to mafic metavolcanics are overlain by felsic metavolcanics and iron formation, which is in turn overlain by metasediments. A porphyritic granitoid body is found at the center of the synform. Many of the felsic to intermediate metavolcanic rocks have been altered to sillimanite-muscovite-quartz schist (also referred to as sericite schist). Economic to subeconomic mineralization is located within deformed metavolcanics or iron formations (Zaleski and Peterson, 1995).

Anomalous assay results, mineralized felsic metavolcanics and a general similarity to the Manitouwadge camp contribute to make the Game Lake Property an attractive location for future exploration. Future work on the Game Lake Property should also include petrography, whole rock and rare earth element (REE) analysis of selected samples and possibly age dating of the rock units. This work would be invaluable to help sort out the sequence of deformation in the area, possible protoliths and relationships between the different units.

FIGURE "C"

DATA SHEET
for
Diamond Drill Hole # GL-88-04
GPS drill hole co-ordinates (NAD 27) Zone 15 -55 21 415.39 N by 4 51 896.67 E
(NAD 83 - 55 21 629.22 N by 4 51 896.67 E)
Claim No. K1221212

NOTE: - Core stored at the MNDM Kenora Core Library, Ontario
- Method of core/rock splitting by diamond saw wet cutting
- Assistance provided by Mr. Alan Raoul, Kenora District Geologist

Assay/Sample #	Metres From		To	Length	Box #	Description
EF-GL-88-04						
-01	43.61	-	44.52	0.91	8	- Rock Unit 1
-02	70.33	-	71.10	0.77	12	- "
-03	78.84	-	79.75	0.91	14	- "
-04	85.60	-	89.90	0.30	15	- "
-05	92.00	-	92.30	0.30	16	- "
-06	97.43	-	97.78	0.35	17	- Rock Unit 6A
-07	97.78	-	98.66	0.88	17	- "
-08	98.66	-	100.53	1.87	17	- "
-09	100.53	-	101.60	1.07	17	- "
-10	101.60	-	102.21	0.61	17&18	- "
-11	102.21	-	102.87	0.66	18	- "
-12	102.87	-	103.70	0.83	18	- "
-13	104.27	-	104.79	0.52	18	- "
-14	104.79	-	105.50	0.71	18	- "
-15	105.50	-	106.21	0.71	18	- "
-16	106.21	-	106.51	0.30	18	- "
-17	106.51	-	107.35	0.84	18	- "
-18	107.35	-	108.00	0.65	19	- Rock Unit 6
-19	108.00	-	109.00	1.00	19	- "
-20	114.17	-	114.52	0.35	20	- "
-21	114.52	-	116.49	1.97	20	- Rock Unit 6A
-22	116.80	-	117.93	1.13	20	- "
-23	117.93	-	119.44	1.51	20	- "
-24	119.44	-	120.00	0.56	21	- "
-25	120.00	-	120.88	0.88	21	- "
-26	120.88	-	121.18	0.30	21	- "
-27	157.90	-	158.25	0.35	27	- Rock Unit 1
-28	161.80	-	162.20	0.40	28	- "
-29	171.60	-	171.90	0.30	29	- "

PLANS & DIAGRAMS

1/. Bridges Twp. G.0812 Claim Map

2/. Bridges Twp. Claim Positions & Numbers

3/. Bridges Twp. Plan of Drill Hole Sections

4/. Preliminary Geology Map - West Half, Sheet 1 of 2, scale 1:5,000

5/. Preliminary Geology Map - East Half, Sheet 2 of 2, scale 1:5,000

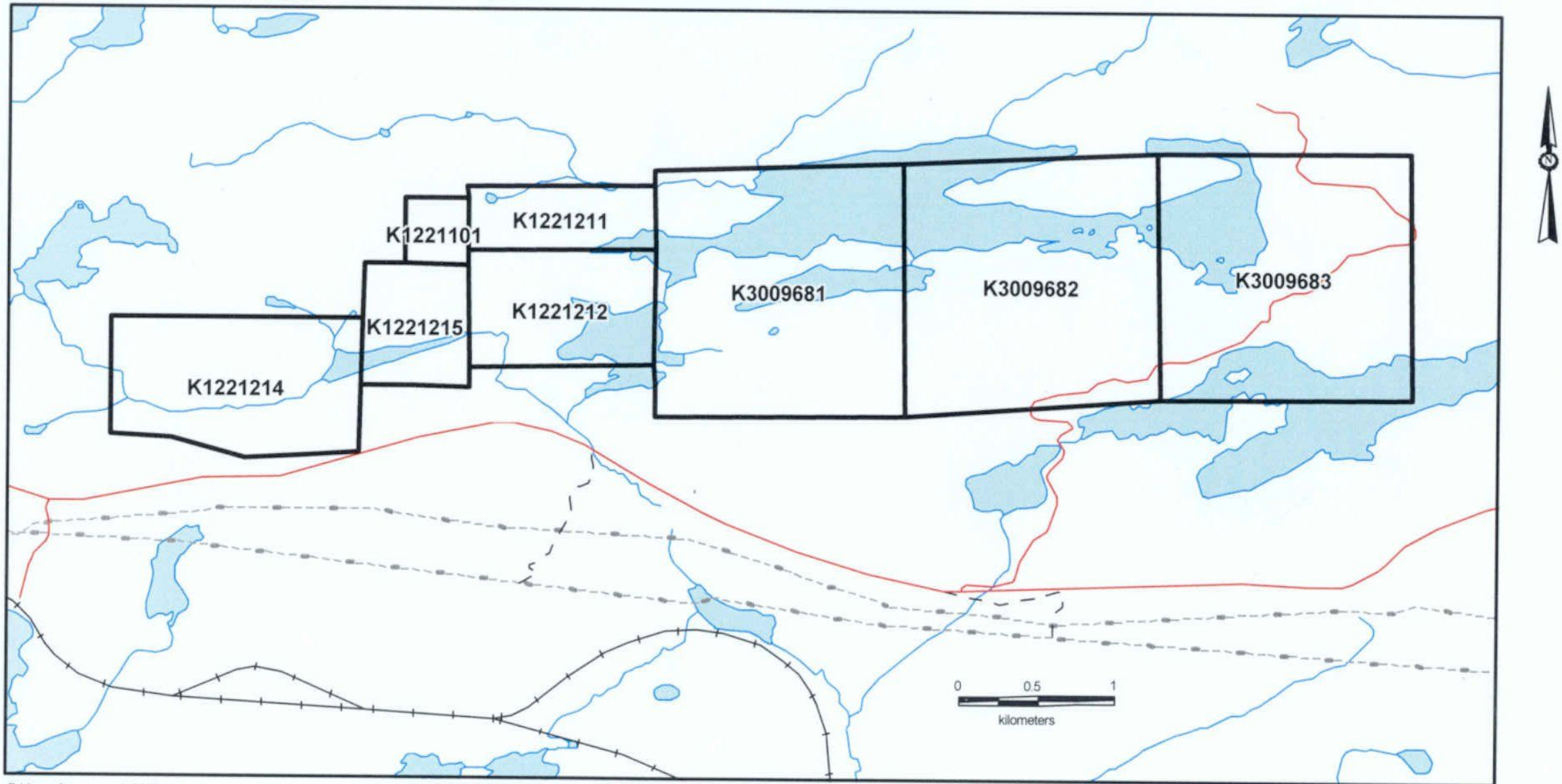
6/. Analytical Work Performed by SGS -Assay Data for D.D. H. # GI-88-04

7/. Diamond Drill Hole X-Section Diagrams for Au (ppb) Histogram

8/. Diamond Drill Hole X-Section Diagrams for Cu (ppm) Histogram,

9/. Diamond Drill Hole X-Section Diagrams for D.D.H. # GI-88-04

Emerald Fields Resource Corporation
BRIDGES TOWNSHIP PROPERTY
Claim Positions and Numbers

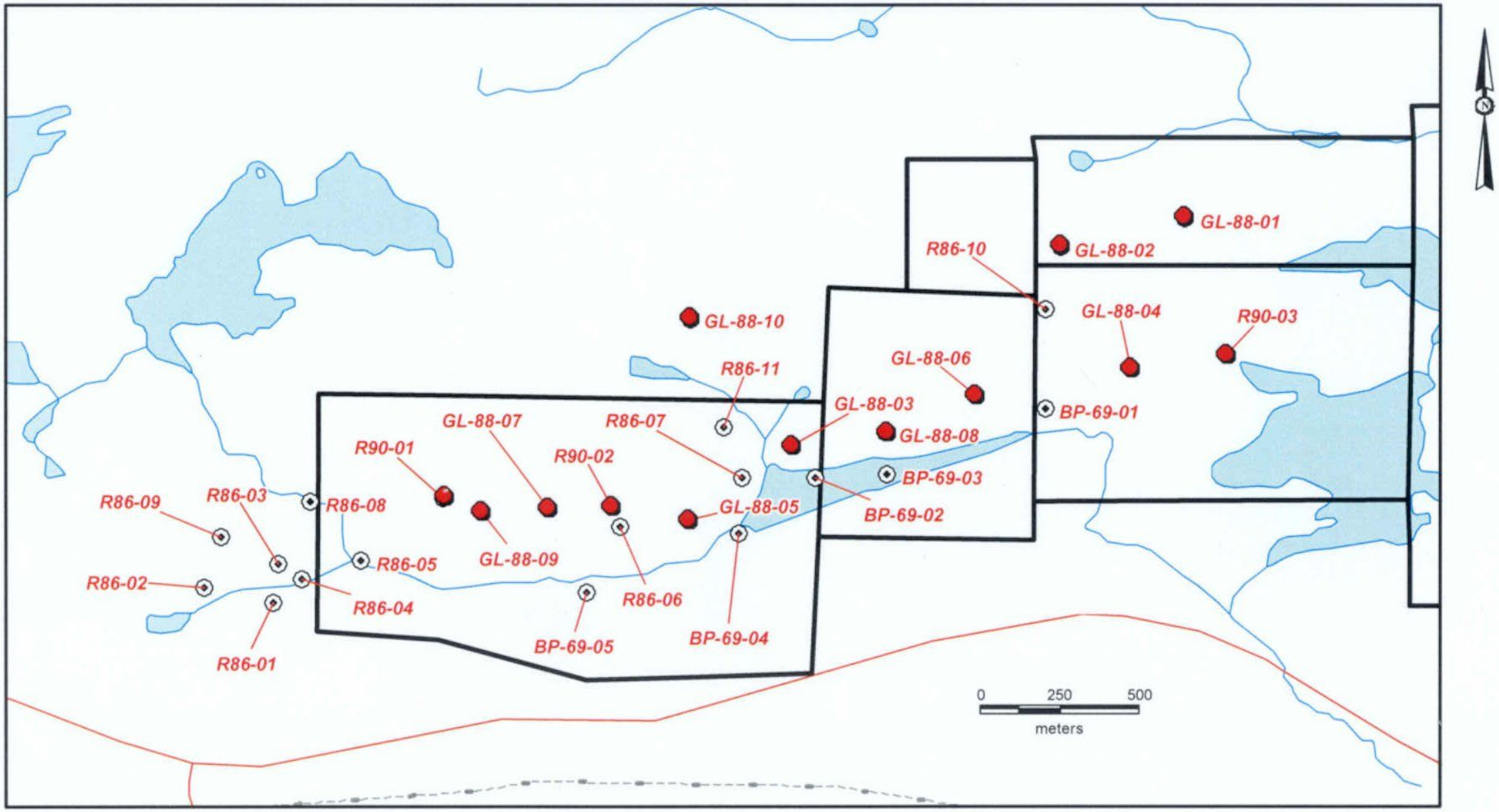


Bridges_Assessment_2003.wor

NTS 52F/13
NAD 27, Zone 15

Roads
Utilities
Railroad

Emerald Fields Resource Corporation
BRIDGES TOWNSHIP PROPERTY
Plan of Drill Hole Sections



Bridges_Assessment_2003.wor

NTS 52F/13
NAD 27, Zone 15

NOTE:
Collars of sections included are shown as red circles

Roads
Utilities
Railroad

ANALYTICAL WORK PERFORMED

by

SGS

1885 Leslie Street
Don Mills, Ontario M3B 2M3
Tel: (416) 445-5755
Fax: (416) 445-4152

Work Order: 073980

Qnty	Code	Description
29	XRF102	Whole rock analysis (majors + traces)
29	ICP80	ICP, Multi-acid Digestion

Computer printout attached. Original file in floppy disc format.

Sample Ide	SiO2	Al2O3	CaO	MgO	Na2O	K2O	Fe2O3	MnO
Scheme C	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102
Analysis U	%	%	%	%	%	%	%	%
Detection L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
EF-GL-88- 1	64.9	16.08	5.97	1.38	0.88	3.47	5.17	0.3
EF-GL-88- 2	64.56	15.66	5.08	1.81	2.77	2.78	4.46	0.12
EF-GL-88- 3	62.16	15.67	4.53	2.3	2.01	4.6	5.55	0.22
EF-GL-88- 4	65.59	15.51	3.39	1.67	2.56	3.67	4.76	0.21
EF-GL-88- 5	63.23	15.95	5.13	2.65	0.21	4.66	4.84	0.25
EF-GL-88- 6	56.52	18.18	1.58	1.02	0.44	10.21	5.79	1.64
EF-GL-88- 7	56.65	18.12	2.44	1.07	0.68	8.74	4.78	3.25
EF-GL-88- 8	60.22	16.61	1.69	0.86	0.26	6.56	4.33	2.31
EF-GL-88- 9	60.65	15.59	0.69	0.73	<0.01	6.48	3.89	3.04
EF-GL-88- 10	65.88	14.12	0.54	0.53	<0.01	6.28	2.64	3.05
EF-GL-88- 11	59.56	15.72	0.78	1.14	<0.01	6.36	3.78	2.71
EF-GL-88- 12	56.97	15.47	0.84	1.09	<0.01	5.95	4.2	4.4
EF-GL-88- 13	57.2	13.08	0.69	0.8	<0.01	5.52	6.04	3.6
EF-GL-88- 14	63.39	14.46	1.06	0.94	<0.01	5.72	3.9	2.87
EF-GL-88- 15	64.65	16.7	2.06	1	<0.01	2.58	3.97	2.29
EF-GL-88- 16	65.61	15.46	1.86	1.69	0.31	5.14	4.54	1.23
EF-GL-88- 17	66.18	15.37	2.3	1.58	0.32	5.4	4.58	1
EF-GL-88- 18	65.59	15.86	3.39	1.88	0.37	5.23	4.44	0.71
EF-GL-88- 19	66.33	14.85	2.54	1.69	0.27	5.13	4.93	0.95
EF-GL-88- 20	62.49	14.73	0.66	1.83	<0.01	5.78	7.29	0.82
EF-GL-88- 21	55.88	12.95	0.39	1.06	<0.01	4.7	9.86	0.82
EF-GL-88- 22	59.46	14.35	0.63	2.29	<0.01	5.58	10.57	1.59
EF-GL-88- 23	57.19	14.28	1.01	2.42	<0.01	5.38	10.42	1.58
EF-GL-88- 24	60.8	14.4	0.49	1.15	<0.01	4.26	10.63	1.66
EF-GL-88- 25	60.63	14.2	0.79	1.59	<0.01	5.04	9.54	2.35
EF-GL-88- 26	59.11	14.86	0.61	1.54	<0.01	6.18	11.53	2.14
EF-GL-88- 27	59.9	16.25	2.58	1.11	0.56	5.38	2.85	6.02
EF-GL-88- 28	62.77	15.6	6.11	3.15	1	4.26	4.54	0.98
EF-GL-88- 29	68.85	15.25	3.57	1.42	0.43	3.78	3.47	1.29
DUP-EF-G	65.04	16.07	5.96	1.38	0.88	3.47	5.17	0.3
DUP-EF-G	57.33	13.13	0.69	0.8	<0.01	5.51	6.04	3.58
DUP-EF-G	60.63	14.21	0.79	1.59	<0.01	5.06	9.55	2.35

TiO2 XRF102 %	P2O5 XRF102 %	Cr2O3 XRF102 %	LOI XRF102 %	Sum XRF102 %	Rb XRF102 ppm	Sr XRF102 ppm	Y XRF102 ppm	Zr XRF102 ppm
0.01	0.01	0.01	0.01	0.01	2	2	2	2
0.5	0.15	0.02	1	99.96	92	364	8	84
0.49	0.13	0.03	0.9	98.96	76	493	11	107
0.5	0.14	0.02	1.65	99.54	119	479	10	90
0.43	0.13	0.04	1.35	99.49	88	348	7	89
0.5	0.14	0.02	2.1	99.82	116	147	11	91
0.65	0.21	0.03	1.8	98.35	247	163	12	123
0.55	0.19	0.02	1	97.73	202	151	13	109
0.5	0.15	0.04	2.2	95.88	182	115	12	105
0.46	0.12	0.04	2.8	94.53	183	88	8	105
0.28	0.09	0.05	2	95.55	183	79	10	75
0.45	0.11	0.04	3.1	93.7	204	78	11	114
0.44	0.11	0.05	3	92.64	191	80	10	112
0.35	0.12	0.04	2.8	89.69	174	77	9	100
0.3	0.1	0.05	2.2	95.18	173	107	9	83
0.38	0.1	0.04	2.4	96.11	88	96	11	81
0.45	0.11	0.04	1.95	98.52	196	95	11	107
0.43	0.11	0.03	1.65	99.04	177	102	11	97
0.43	0.11	0.04	1.6	99.77	172	131	8	100
0.45	0.11	0.03	1.65	99.05	152	132	9	100
0.41	0.11	0.04	3.5	97.73	156	94	6	107
0.4	0.08	0.04	5	89.98	110	75	5	101
0.4	0.11	0.05	1.75	96.64	138	85	6	98
0.4	0.12	0.04	1.6	94.09	136	87	7	97
0.41	0.11	0.05	3	96.58	88	47	7	97
0.37	0.14	0.04	1.2	95.71	110	48	9	89
0.41	0.11	0.05	1	97.63	133	47	8	98
0.41	0.12	0.04	0.4	95.74	120	78	12	95
0.44	0.12	0.05	0.4	99.55	120	212	11	89
0.34	0.11	0.02	0.7	99.32	87	92	7	85
0.5	0.15	0.02	1	100.1	91	366	8	84
0.35	0.12	0.04	2.9	89.93	173	79	7	100
0.37	0.14	0.04	1.2	95.75	110	48	9	90

Nb XRF102 ppm	Ba XRF102 ppm	Be ICP80 ppm	Na ICP80 %	Mg ICP80 %	Al ICP80 %	P ICP80 %	K ICP80 %	Ca ICP80 %
2	20	0.5	0.01	0.01	0.01	0.01	0.01	0.01
6	687	<0.5	0.7	0.87	8.6	0.07	3.14	4.61
6	877	<0.5	2.08	1.08	8.2	0.06	2.49	3.68
6	1000	<0.5	1.5	1.38	7.99	0.07	4.02	3.35
6	981	<0.5	1.93	1	7.94	0.06	3.21	2.46
5	780	<0.5	0.16	1.57	8.09	0.07	3.98	3.75
5	1830	<0.5	0.37	0.63	9.54	0.1	9.22	1.25
6	1780	<0.5	0.46	0.6	8.73	0.08	7.25	1.73
7	990	<0.5	0.42	0.52	7.66	0.07	5.66	1.26
6	1240	0.5	0.34	0.42	6.84	0.06	5.35	0.49
7	1170	<0.5	0.3	0.3	6.5	0.04	5.56	0.39
8	1490	1.1	0.33	0.66	7.33	0.05	5.32	0.58
8	1420	<0.5	0.31	0.68	7.32	0.06	5.27	0.64
6	1690	<0.5	0.25	0.46	5.97	0.06	4.67	0.49
7	1570	0.8	0.34	0.54	6.34	0.05	4.74	0.75
9	571	1	0.27	0.6	5.77	0.05	2.33	1.5
8	740	<0.5	0.29	1.02	7.07	0.05	4.5	1.41
8	578	0.7	0.36	0.99	7.59	0.06	4.82	1.79
7	667	<0.5	0.33	1.16	8.06	0.05	4.64	2.6
7	725	<0.5	0.3	1.05	7.53	0.05	4.48	1.94
5	946	<0.5	0.17	1.06	6.67	0.05	4.91	0.5
4	794	0.6	0.15	0.62	5.4	0.04	3.83	0.27
5	1000	<0.5	0.16	1.36	6.31	0.05	5.05	0.48
6	1090	<0.5	0.13	1.41	6.15	0.05	4.69	0.64
4	537	<0.5	0.13	0.59	4.96	0.05	3.67	0.35
6	856	<0.5	0.14	0.9	6.03	0.06	4.37	0.57
4	885	<0.5	0.18	0.97	7.17	0.05	5.59	0.47
6	808	<0.5	0.41	0.64	7.56	0.05	4.6	1.83
8	744	<0.5	0.8	2.03	8.45	0.06	3.94	4.78
5	450	<0.5	0.47	0.88	7.57	0.05	3.36	2.74
6	685	<0.5	0.65	0.86	8.41	0.07	3.03	4.51
5	1690	<0.5	0.24	0.47	6.05	0.06	4.75	0.49
6	858	<0.5	0.14	0.92	6.11	0.07	4.42	0.58

Sc ICP80 ppm	Ti ICP80 %	V ICP80 ppm	Cr ICP80 ppm	Mn ICP80 ppm	Fe ICP80 %	Co ICP80 ppm	Ni ICP80 ppm	Cu ICP80 ppm
0.5	0.01	2	1	2	0.01	1	1	0.5
10.1	0.32	97	102	2120	3.61	16	23	112
7.2	0.36	78	146	858	2.99	11	14	18.2
10.1	0.37	96	98	1620	3.75	17	27	22.7
6.3	0.3	69	140	1480	3.2	14	20	236
10	0.36	96	82	1730	3.29	13	24	27.5
11.8	0.49	116	140	>10000	4.46	14	54	113
9.6	0.37	94	107	>10000	4	12	43	59.4
9.7	0.21	72	168	>10000	3.6	12	39	146
7.4	0.07	61	197	>10000	3.47	12	50	224
6.2	0.06	43	185	>10000	2.8	7	33	186
8.2	0.1	60	151	>10000	3.45	10	46	225
9.6	0.12	72	265	>10000	4.32	12	62	135
6.5	0.12	50	231	>10000	5.14	11	60	309
5.3	0.08	39	183	>10000	3.45	8	38	87.8
7.8	0.12	56	178	>10000	3.34	10	32	90.1
6.2	0.21	62	176	8660	3.46	13	19	141
6	0.22	59	126	7400	3.5	12	19	188
5.4	0.29	64	172	5020	3.23	11	17	173
5.8	0.21	64	123	6920	3.66	13	20	231
6.6	0.26	65	210	5720	4.9	11	42	118
6	0.2	54	140	5540	6.48	17	53	168
7	0.28	58	227	>10000	6.93	11	57	75
7.3	0.27	63	190	>10000	6.69	10	57	31.3
7.6	0.2	50	236	>10000	6.43	16	62	106
7.7	0.26	58	197	>10000	6.41	10	60	48.6
7.5	0.31	70	270	>10000	7.69	7	62	48.7
8.5	0.19	69	198	>10000	3.53	12	75	10.8
10	0.33	87	221	7230	3.45	17	97	11.3
4.2	0.15	42	95	9210	2.75	7	13	34.9
9.9	0.32	95	98	2110	3.53	16	22	110
6.6	0.12	51	258	>10000	5.13	11	60	307
7.7	0.26	59	198	>10000	6.46	10	60	50.2

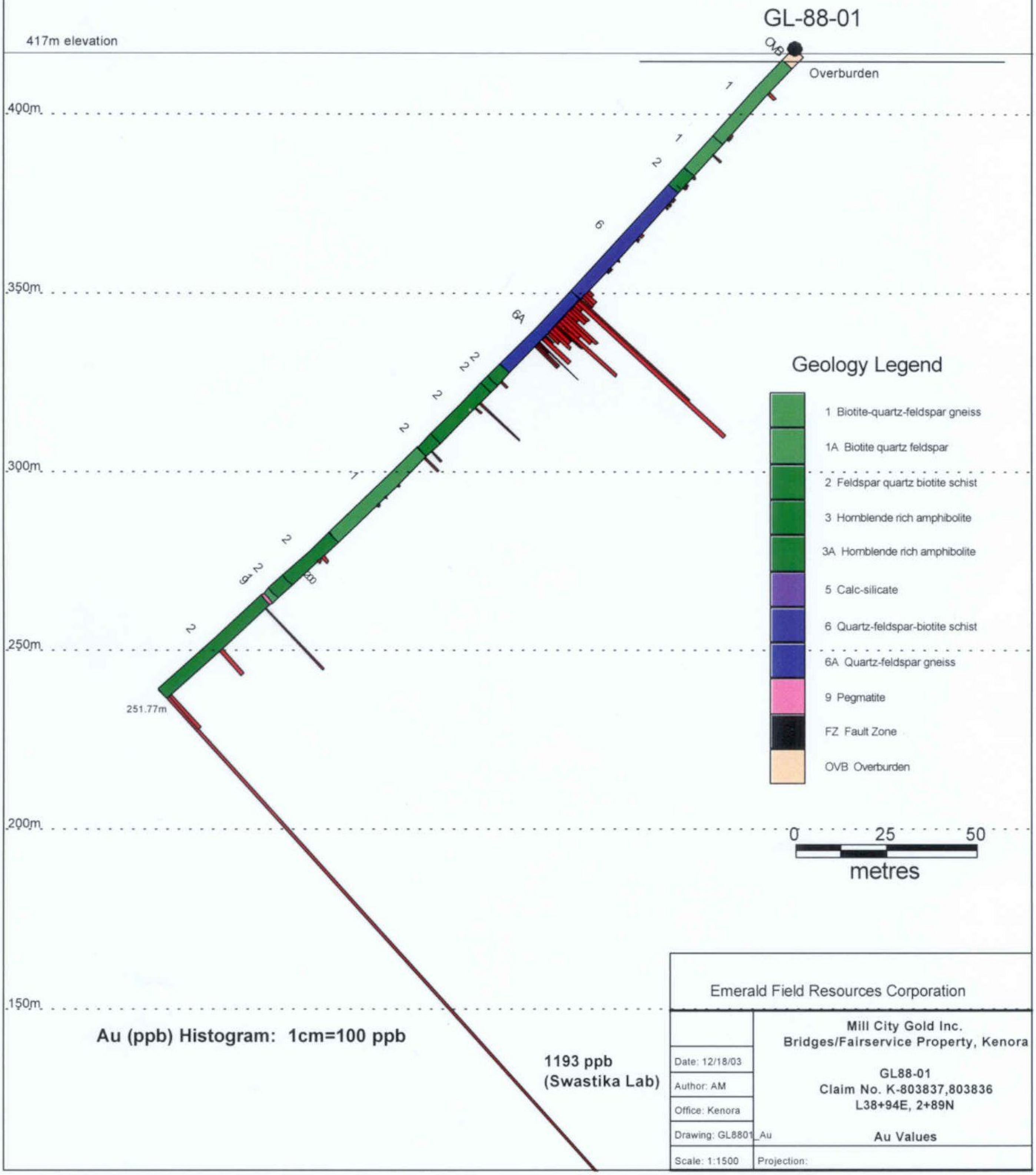
Zn ICP80 ppm	As ICP80 ppm	Sr ICP80 ppm	Y ICP80 ppm	Zr ICP80 ppm	Mo ICP80 ppm	Ag ICP80 ppm	Cd ICP80 ppm	Sn ICP80 ppm
0.5	3	0.5	0.5	0.5	1	0.2	1	10
609	4	373	7.2	56.4	2	3.5	5	<10
1140	4	480	6.9	56.9	5	1.6	6	<10
92.5	<3	487	7.2	47.4	2	0.7	<1	<10
379	<3	342	5.4	56.2	7	4.9	<1	<10
155	<3	144	7.1	60.6	1	1.6	<1	<10
2700	4	192	8.7	79.1	3	>10	6	<10
902	5	160	8.5	69.3	2	8.3	2	<10
6070	<3	117	7.4	46.6	3	>10	19	<10
>10000	<3	88.5	4.9	36	2	>10	37	<10
8680	<3	80.2	4.8	28.5	4	>10	26	<10
>10000	3	83.8	6.4	44.5	3	>10	39	<10
>10000	<3	85.7	7.7	42.9	3	>10	30	<10
>10000	<3	82.4	5.4	46.2	4	>10	64	<10
9660	<3	110	3.9	30.6	3	>10	25	<10
9300	4	91.1	8.2	43	3	>10	29	<10
1440	<3	94.1	5.7	38.5	5	>10	2	<10
1650	<3	107	5.9	50.6	5	>10	8	<10
456	<3	135	4.7	56.4	5	>10	3	<10
1110	<3	137	5.2	48.1	6	>10	6	<10
1780	3	95.3	3.8	43.1	4	>10	3	<10
>10000	3	76.2	3.5	32	4	>10	112	<10
2370	<3	88.5	4.4	42.1	2	>10	30	<10
6450	<3	81.6	5	51.4	2	>10	34	<10
2200	<3	43	4.8	43.3	2	>10	8	<10
1970	<3	47.6	5.5	47.5	2	>10	26	<10
1080	<3	48.1	5.9	44.7	2	>10	16	<10
449	<3	78.6	5.7	53.6	2	<0.2	<1	<10
578	<3	217	6.3	48.6	2	1.5	<1	<10
781	<3	91.8	4.7	49.2	2	5	8	<10
573	3	361	7	55.7	2	3.1	4	<10
>10000	<3	82.2	5.5	46.1	4	>10	66	<10
1970	<3	48	5.5	49.4	1	>10	27	<10

Sb	Ba	La	W	Pb	Bi	Li
ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80
ppm	ppm	ppm	ppm	ppm	ppm	ppm
5	1	0.5	10	2	5	1
<5	704	26.9	<10	313	6	26
<5	862	18.1	<10	36	5	57
<5	1000	22.2	10	15	6	50
<5	1040	19.7	<10	74	<5	34
<5	756	23.5	<10	17	<5	85
<5	1960	29.4	14	744	10	27
<5	1730	26.2	14	275	10	35
<5	989	25.1	12	1120	6	36
7	875	17.6	14	2050	5	36
6	1200	11.4	<10	2370	8	20
5	572	18.2	<10	1870	7	47
<5	497	18.1	12	1580	9	37
<5	268	14	19	1810	8	21
<5	759	13.3	11	2070	7	34
<5	549	19.1	<10	1090	7	44
<5	759	19.4	11	1370	<5	46
<5	626	18.9	<10	687	<5	58
<5	656	19.1	11	388	6	55
<5	747	20	12	521	5	55
<5	790	15.9	16	955	<5	50
7	387	12.9	32	905	9	32
<5	990	15	27	1010	7	50
<5	1110	12.3	24	478	7	56
<5	495	14.5	24	801	7	24
<5	866	11.8	23	483	7	31
<5	916	16.5	28	311	9	38
<5	760	15.2	<10	38	8	12
<5	750	19.5	<10	47	<5	23
<5	421	18.5	<10	869	<5	31
<5	694	26.7	10	304	6	25
5	242	14.4	18	1800	10	21
<5	879	13.4	23	483	8	32

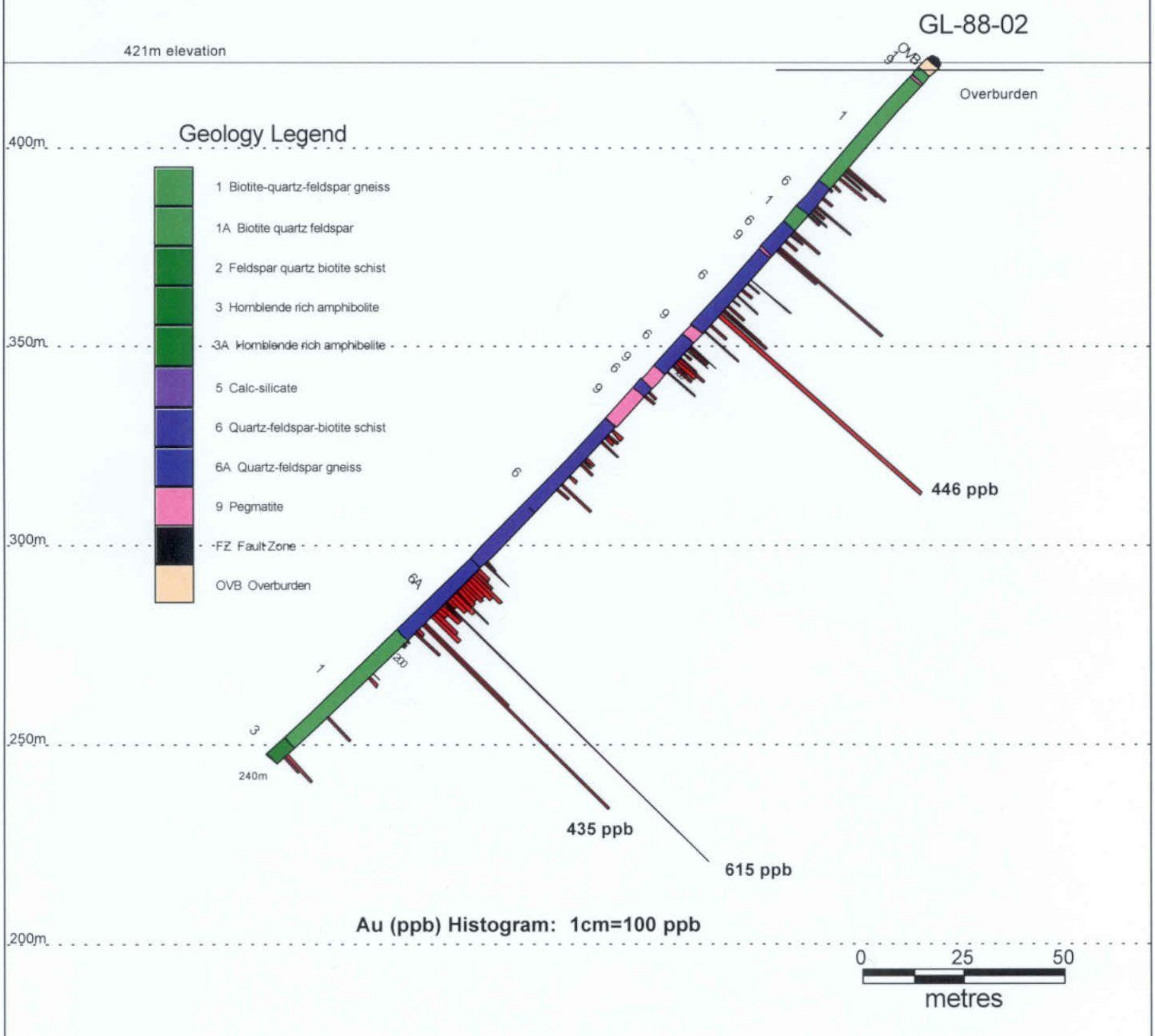
DIAMOND DRILL HOLE X-SECTION DIAGRAMS

Au (ppb) Histogram

D.D.H. #	Grid Location
GL-88-01	L38+94E-2+89N
GL-88-02	L34+92E-3+26N
GL-88-03	L24+85E-0+00N
GL-88-04	L36+00E-1+00S
GL-88-05	L21+11E-1+05S
GL-88-06	L31+00E-0+40S
GL-88-07	L28+02E-0+25S
GL-88-08	L28+00E-0+25S
GL-88-09	L14+91E-1+00N
GL-88-10	L22+92E-4+54S
R90-01	L14+00E-1+85N
R90-02	L19+00E-BL0+00
R90-03	L39+00E-1+60S



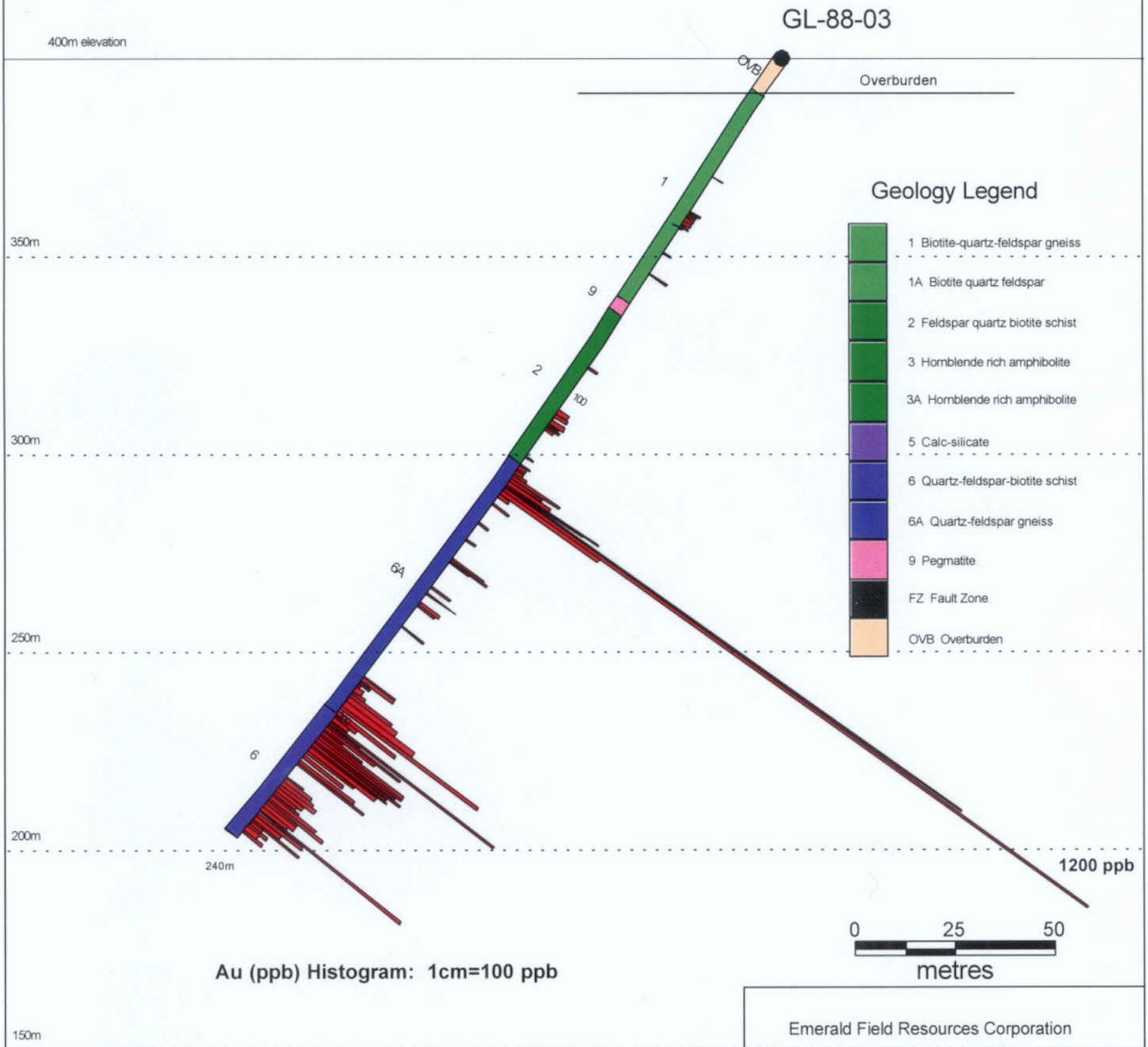
Emerald Field Resources Corporation	
	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-01 Claim No. K-803837,803836 L38+94E, 2+89N
Author: AM	
Office: Kenora	
Drawing: GL8801_Au	Au Values
Scale: 1:1500	Projection:



Emerald Field Resources Corporation

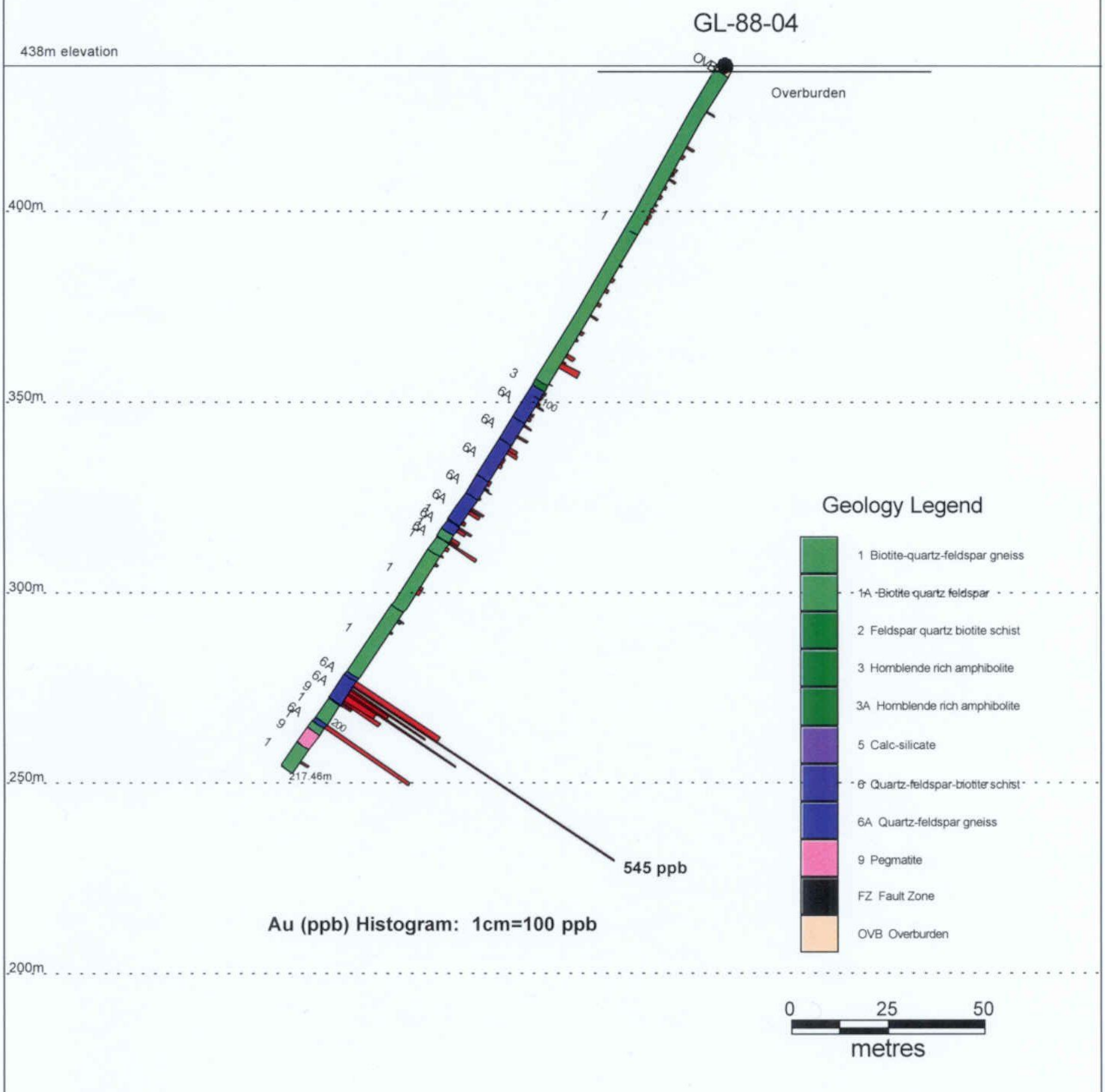
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora

Date: 12/18/03	GL88-02
Author: AM	Claim No. K-818166, 803837
Office: Kenora	L34+92E, 3+26N
Drawing: GL8802_Au	Au Values
Scale: 1:1500	Projection:



Emerald Field Resources Corporation

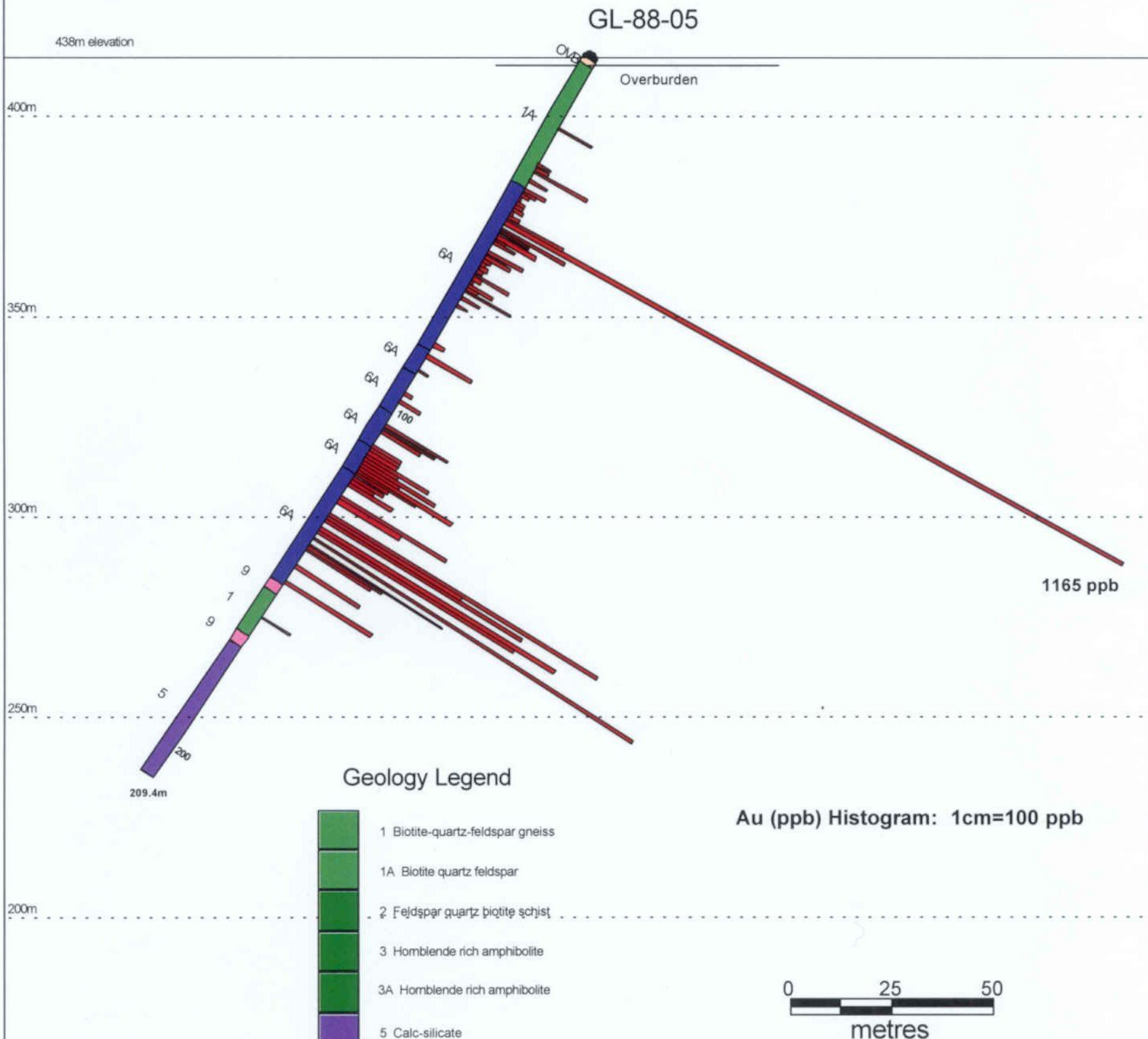
	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-03
Author: AM	Claim No. K-818178, 818171
Office: Kenora	L24+85E, 0+00N
Drawing: GL8803_Au	Au Values
Scale: 1:1500	Projection:



Emerald Field Resources Corporation

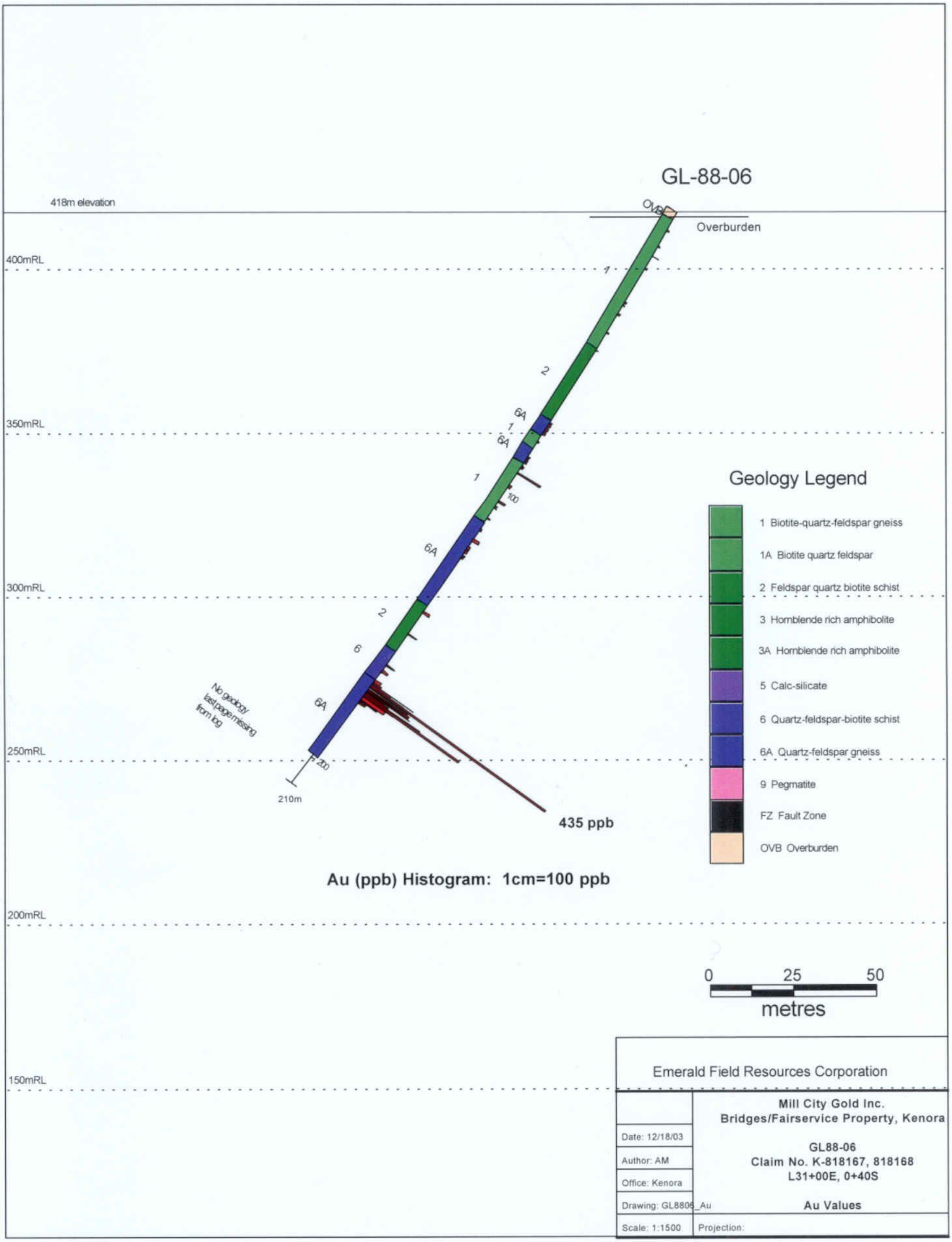
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora

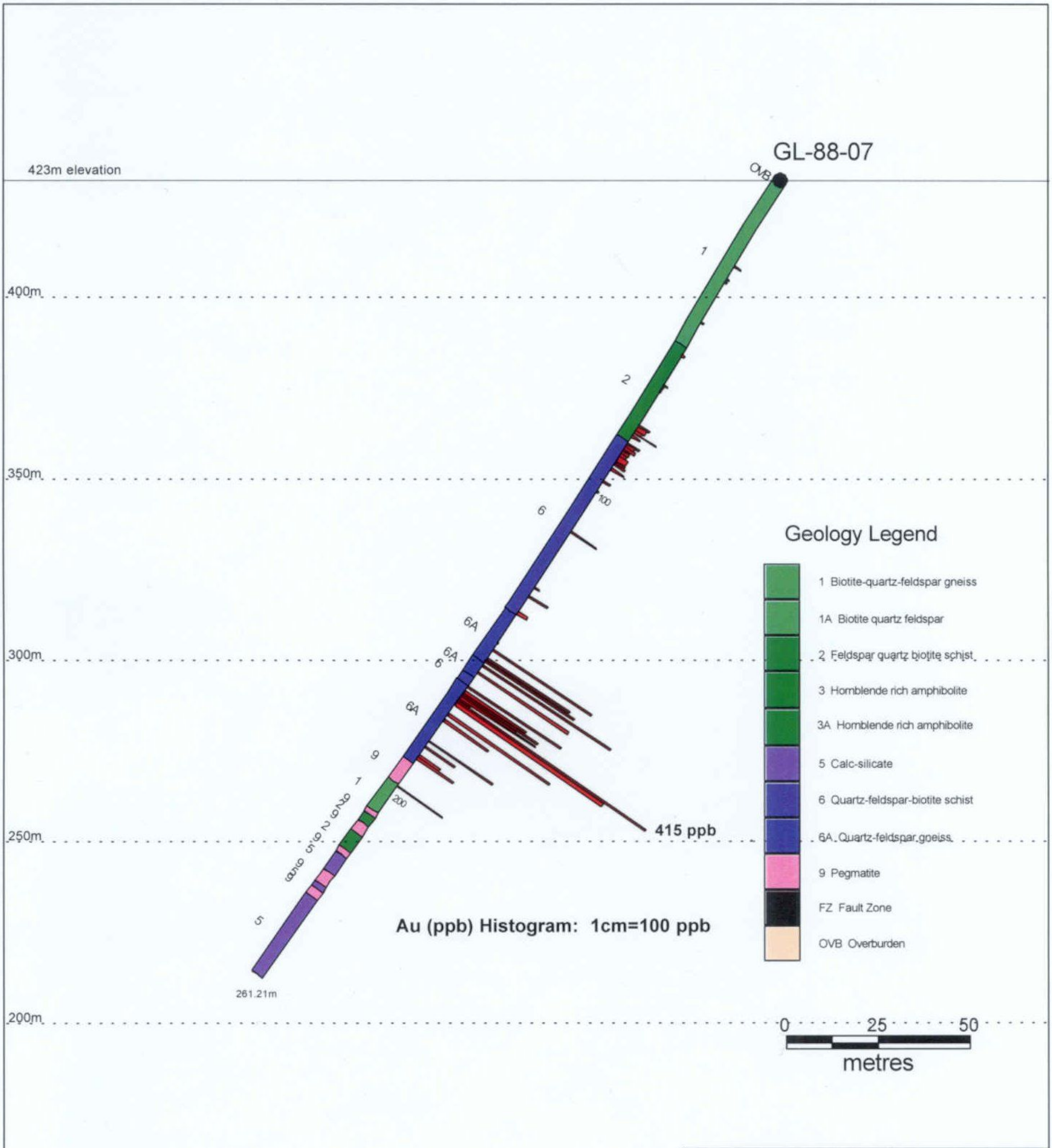
Date: 12/18/03	GL88-04
Author: AM	Claim No. K-803838
Office: Kenora	L36+00E, 1+00S
Drawing: GL8804_Au	Au Values
Scale: 1:1500	Projection:



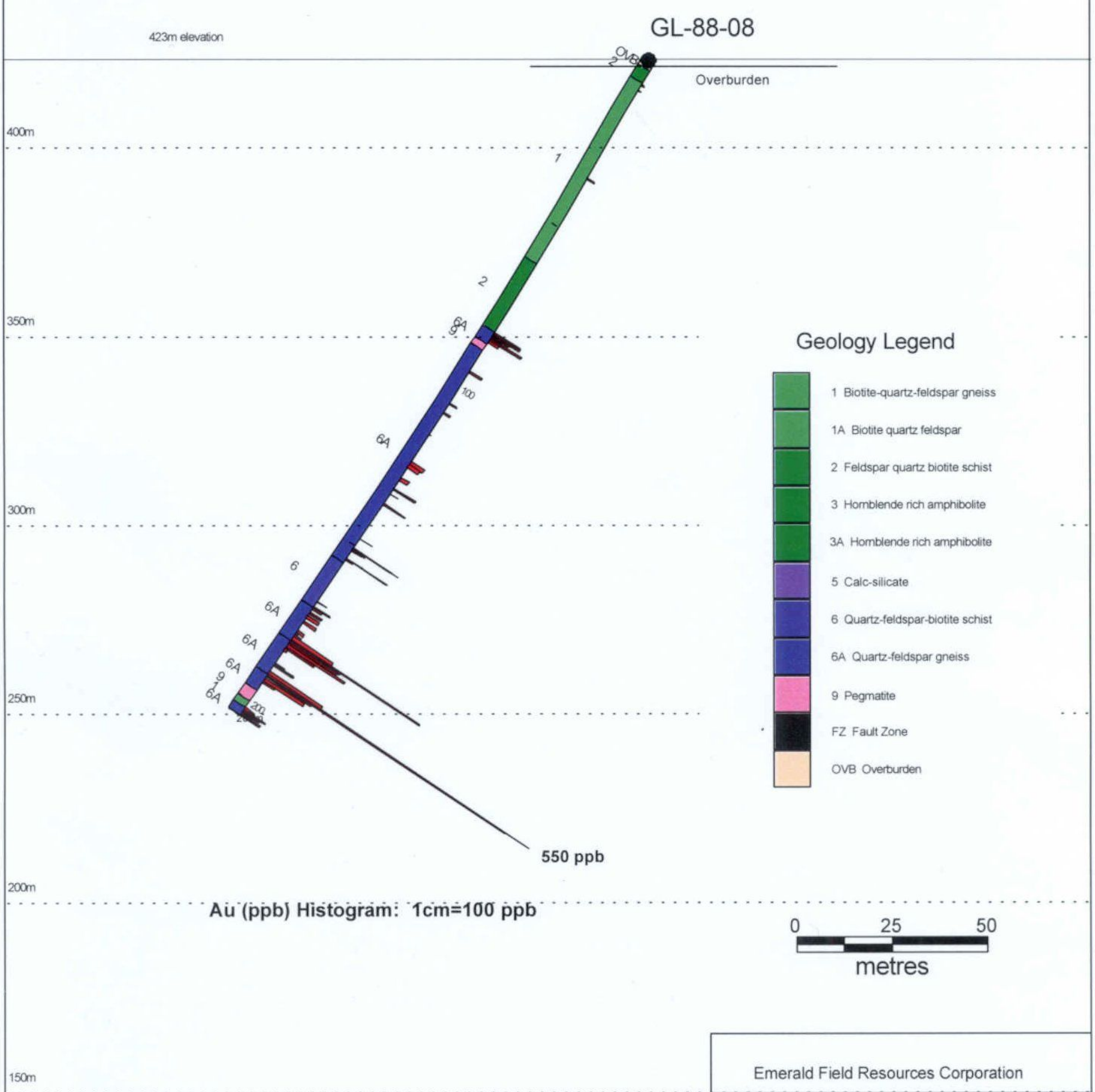
Emerald Field Resources Corporation

	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-05 Claim No. K-818181, 818180 L21+11E, 1+05S
Author: AM	
Office: Kenora	
Drawing: GL8805_Au	Au Values
Scale: 1:1500	Projection:


GL-88-06
418m elevation
OVB
Overburden
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL
1
2
6A
1
6A
1
100
6A
2
6
6A
No geology last page missing from log
200
210m
435 ppb
Au (ppb) Histogram: 1cm=100 ppb
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0 25 50
metres
Emerald Field Resources Corporation
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8806_Au
Scale: 1:1500
GL88-06
Claim No. K-818167, 818168
L31+00E, 0+40S
Au Values
Projection:

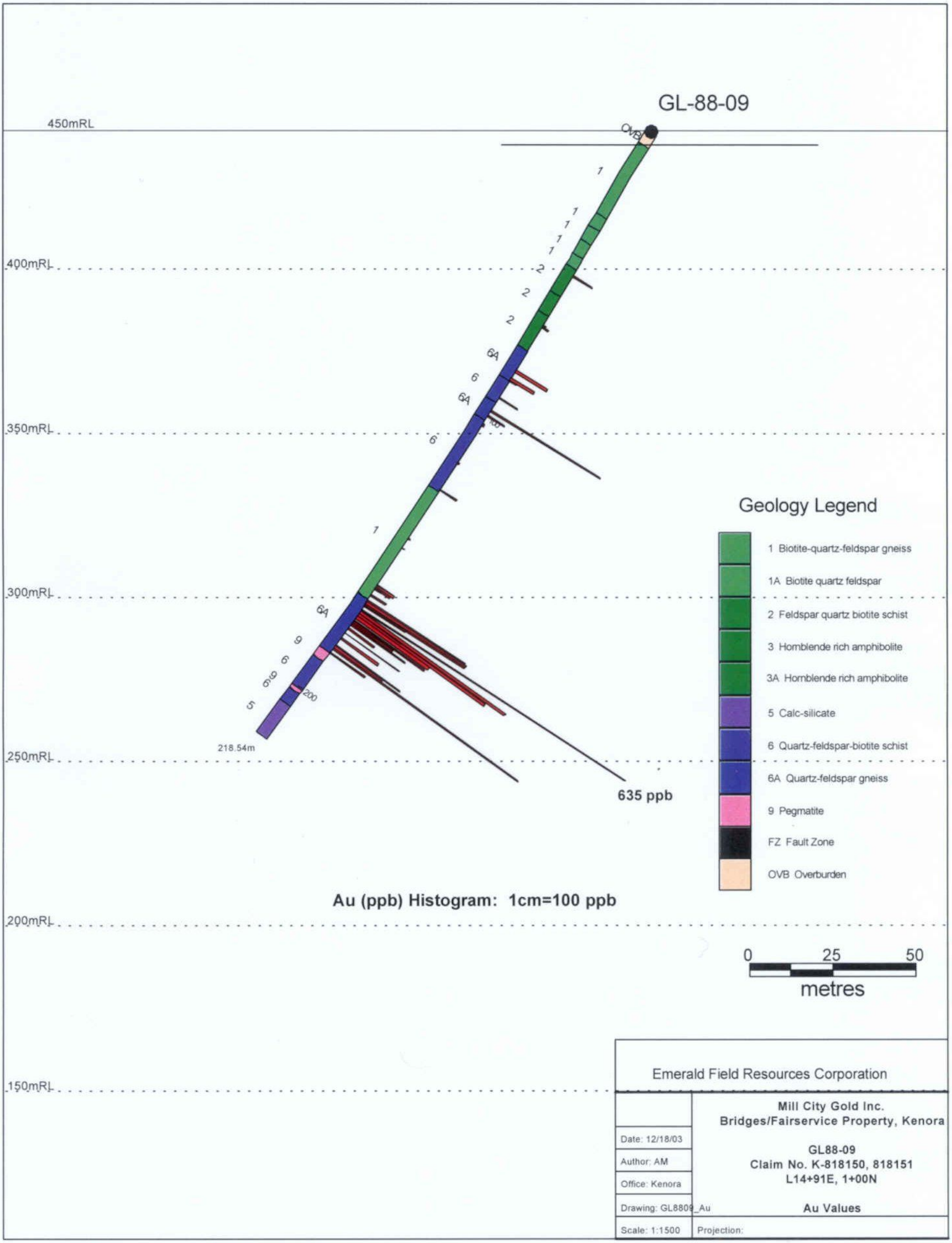


Emerald Field Resources Corporation	
	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-07 Claim No. K-818172, 818171 L28+02E, 0+25S
Author: AM	
Office: Kenora	
Drawing: GL8807_Au	Au Values
Scale: 1:1500	Projection:

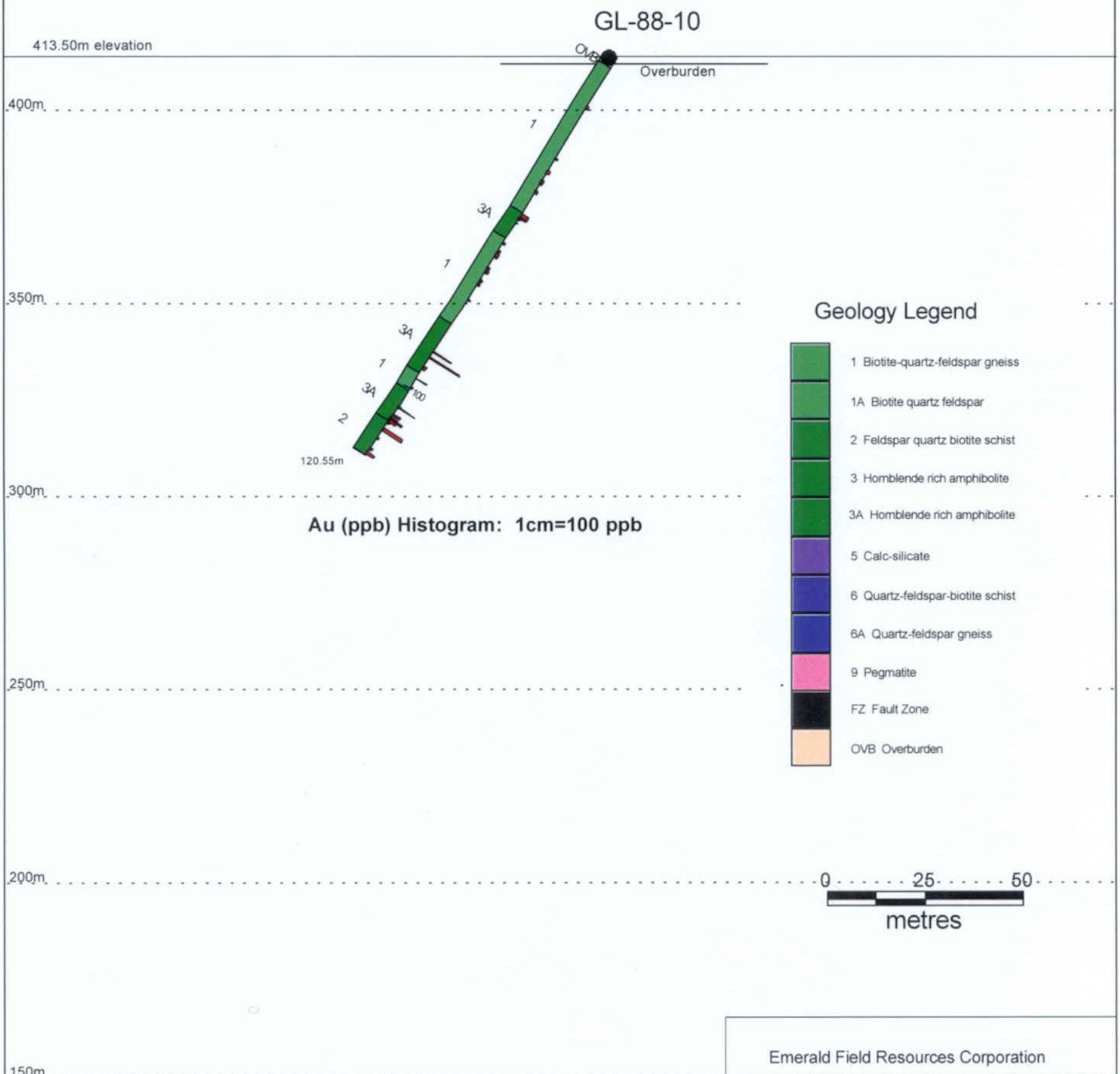


Emerald Field Resources Corporation

Date: 12/18/03	**Mill City Gold Inc.** **Bridges/Fairservice Property, Kenora**
Author: AM	**GL88-08** **Claim No. K-818172, 818171** **L28+00E, 0+25S**
Office: Kenora	
Drawing: GL8808_Au	**Au Values**
Scale: 1:1500	Projection:

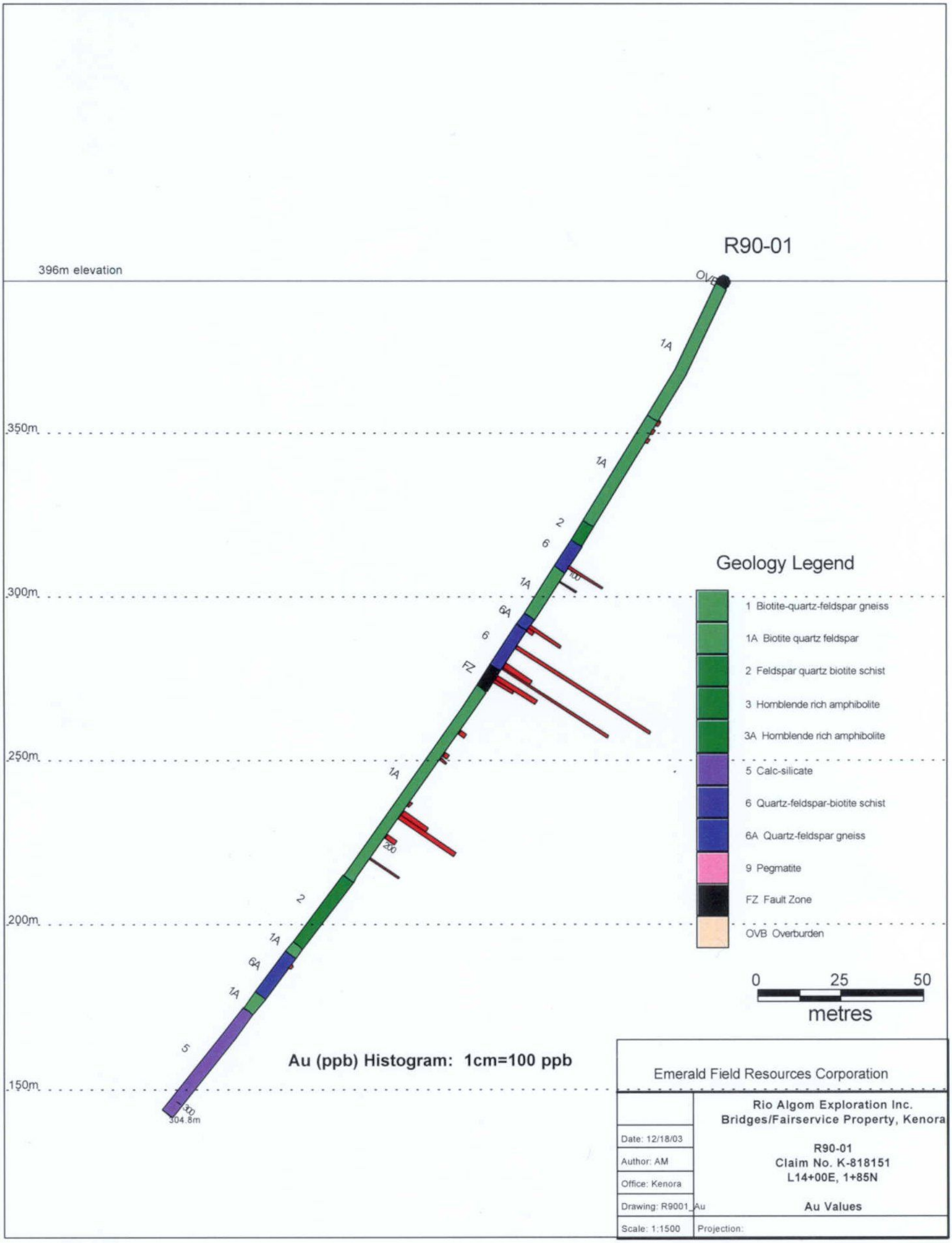


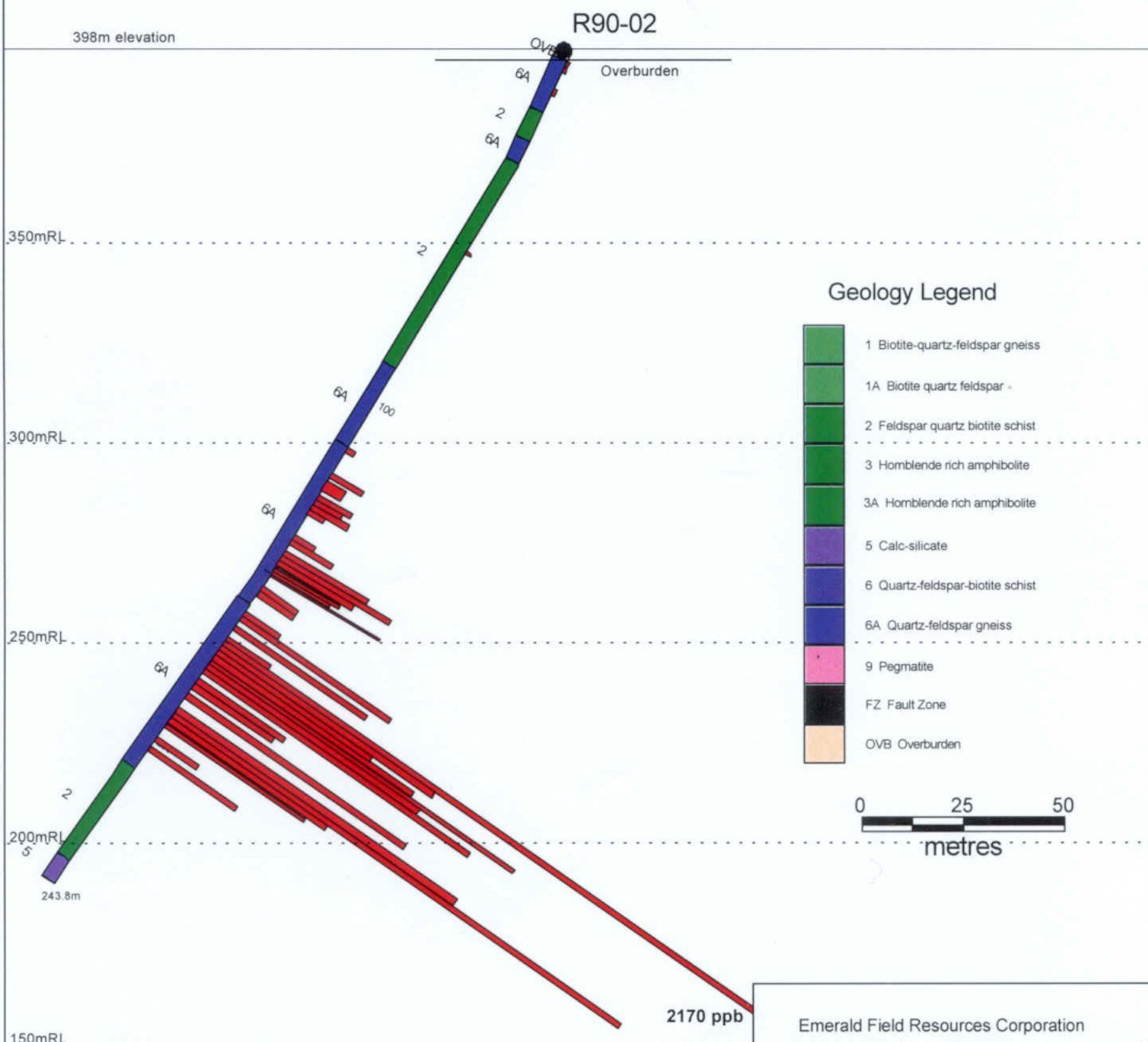
GL-88-09
450mRL
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL
OVB
1
2
6A
6
9
5
200
218.54m
635 ppb
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
Au (ppb) Histogram: 1cm=100 ppb
0 25 50
metres
Emerald Field Resources Corporation
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8809_Au
Scale: 1:1500
GL88-09
Claim No. K-818150, 818151
L14+91E, 1+00N
Au Values
Projection:



Emerald Field Resources Corporation

	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-10 Claim No. K-818182 L22+92E, 4+54S
Author: AM	
Office: Kenora	
Drawing: GL8810_Au	Au Values
Scale: 1:1500	Projection:


R90-01
396m elevation
OVB
1A
350m
1A
2
6
100
1A
300m
6A
6
FZ
250m
1A
200
2
200m
1A
6A
1A
5
150m
300
304.8m
Au (ppb) Histogram: 1cm=100 ppb
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0
25
50
metres
Emerald Field Resources Corporation
Rio Algom Exploration Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: R9001_Au
Scale: 1:1500
R90-01
Claim No. K-818151
L14+00E, 1+85N
Au Values
Projection:

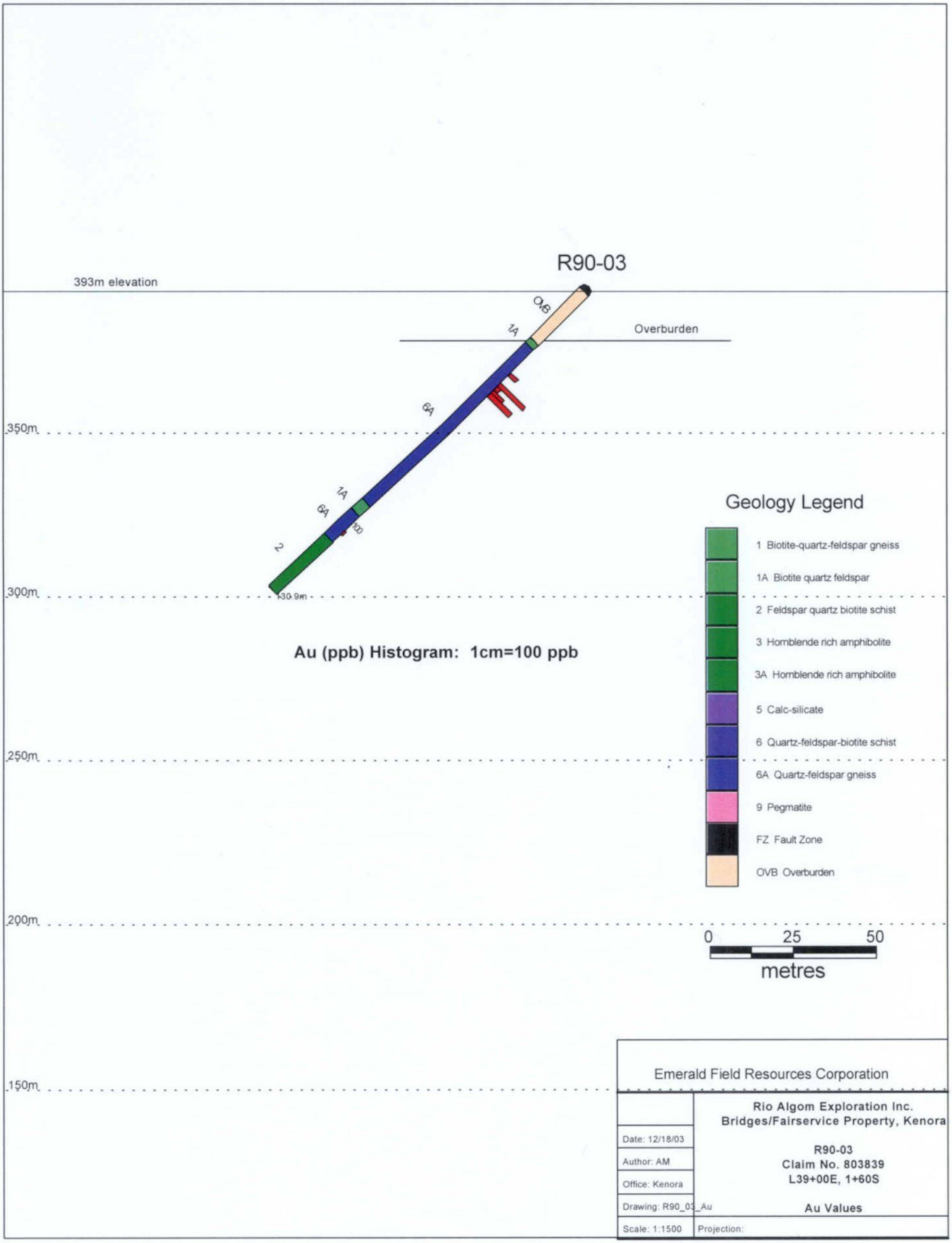


Au (ppb) Histogram: 1cm=100 ppb

Emerald Field Resources Corporation

Rio Algom Exploration Inc.
Bridges/Fairservice Property, Kenora

Date: 12/18/03	R90-02
Author: AM	Claim No. K-818181
Office: Kenora	L19+00E, BL0+00
Drawing: R9002_Au	Au Values
Scale: 1:1500	Projection:

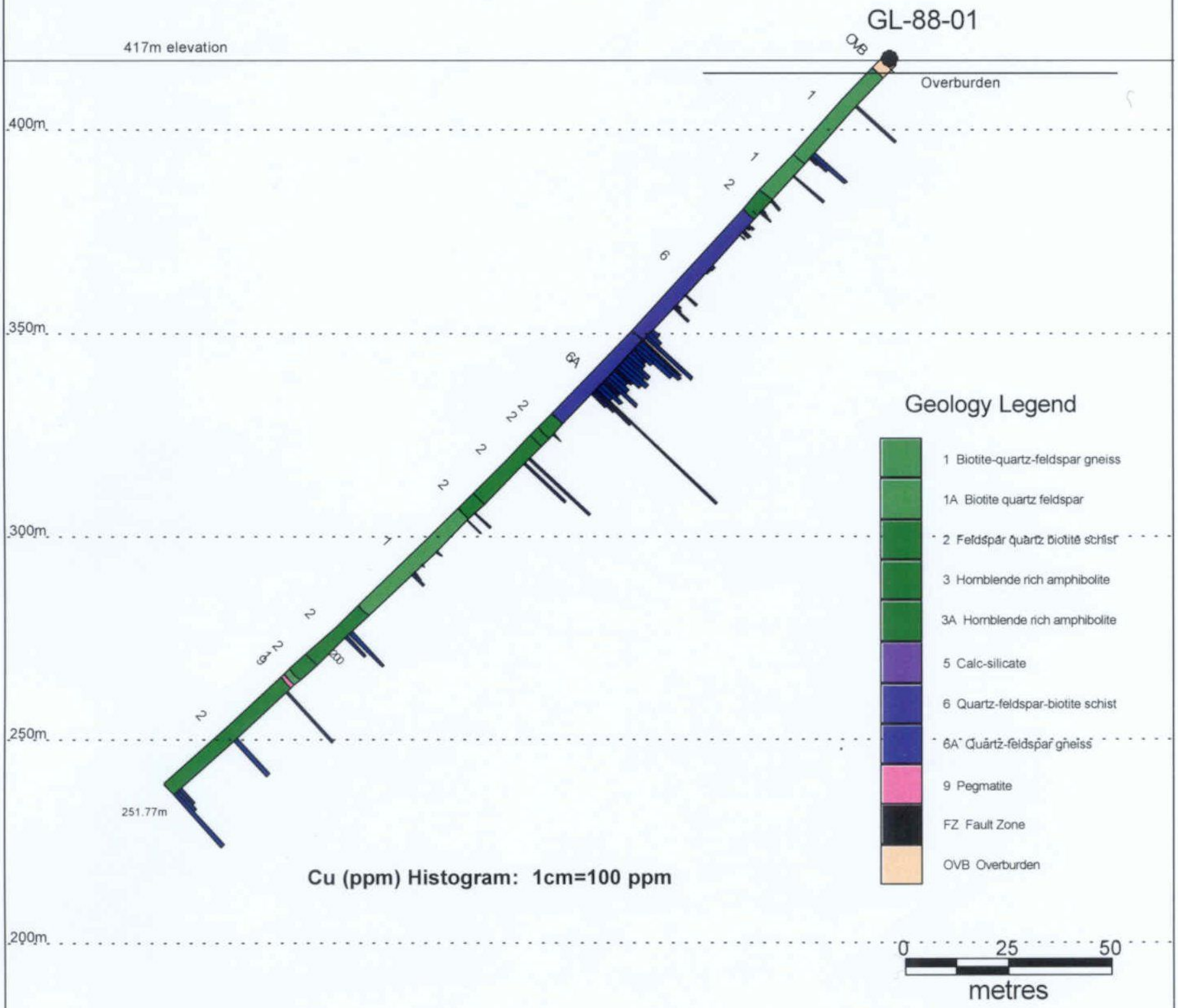


R90-03
393m elevation
OVB
1A
Overburden
6A
1A
6A
100
2
30.9m
350m
300m
250m
200m
150m
Au (ppb) Histogram: 1cm=100 ppb
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0 25 50
metres
Emerald Field Resources Corporation
Rio Algom Exploration Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: R90_03_Au
Scale: 1:1500
R90-03
Claim No. 803839
L39+00E, 1+60S
Au Values
Projection:

DIAMOND DRILL HOLE X-SECTION DIAGRAMS

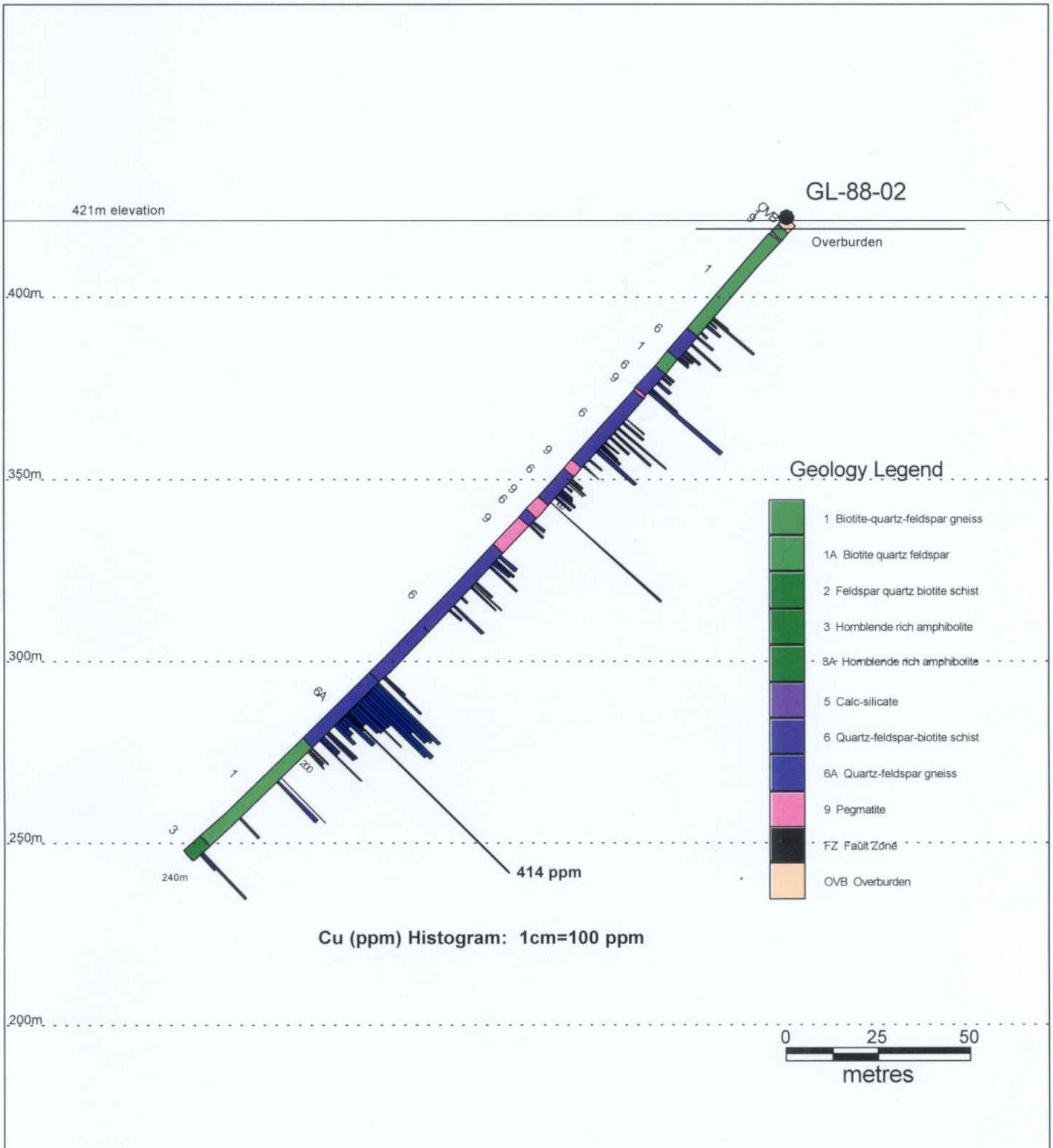
Cu (ppm) Histogram

D.D.H. #	Grid Location
GL-88-01	L38+94E-2+89N
GL-88-02	L34+92E-3+26N
GL-88-03	L24+85E-0+00N
GL-88-04	L36+00E-1+00S
GL-88-05	L21+11E-1+05S
GL-88-06	L31+00E-0+40S
GL-88-07	L28+02E-0+25S
GL-88-08	L28+00E-0+25S
GL-88-09	L14+91E-1+00N
GL-88-10	L22+92E-4+54S
R90-01	L14+00E-1+85N
R90-02	L19+00E-BL0+00
R90-03	L39+00E-1+60S



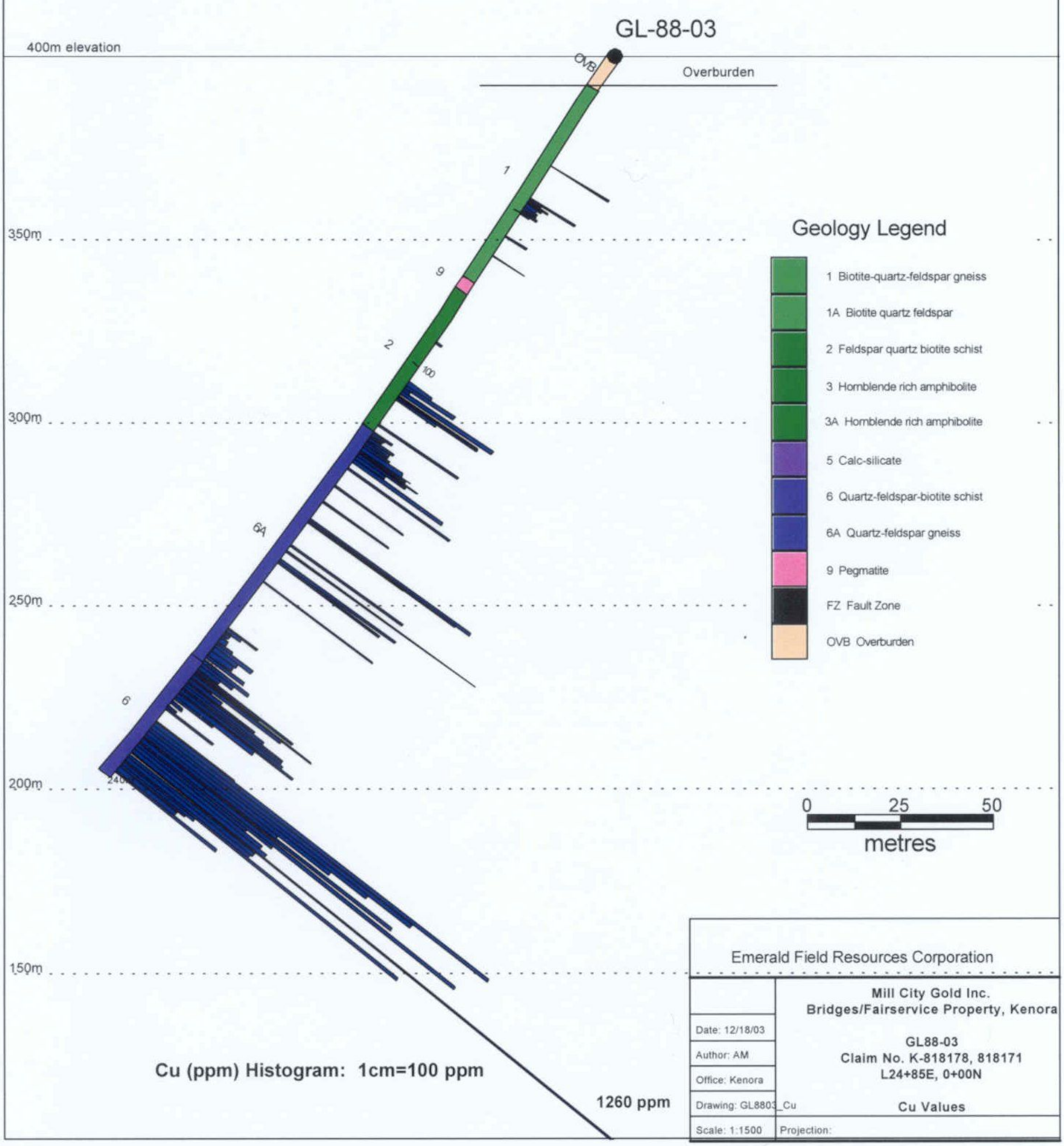
Emerald Field Resources Corporation

	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-01
Author: AM	Claim No. K-803837,803836 L38+94E, 2+89N
Office: Kenora	
Drawing: GL8801_Cu	Cu Values
Scale: 1:1500	Projection:



Emerald Field Resources Corporation

	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-02
Author: AM	Claim No. K-818166, 803837
Office: Kenora	L34+92E, 3+26N
Drawing: GL8802_Cu	Cu Values
Scale: 1:1500	Projection:



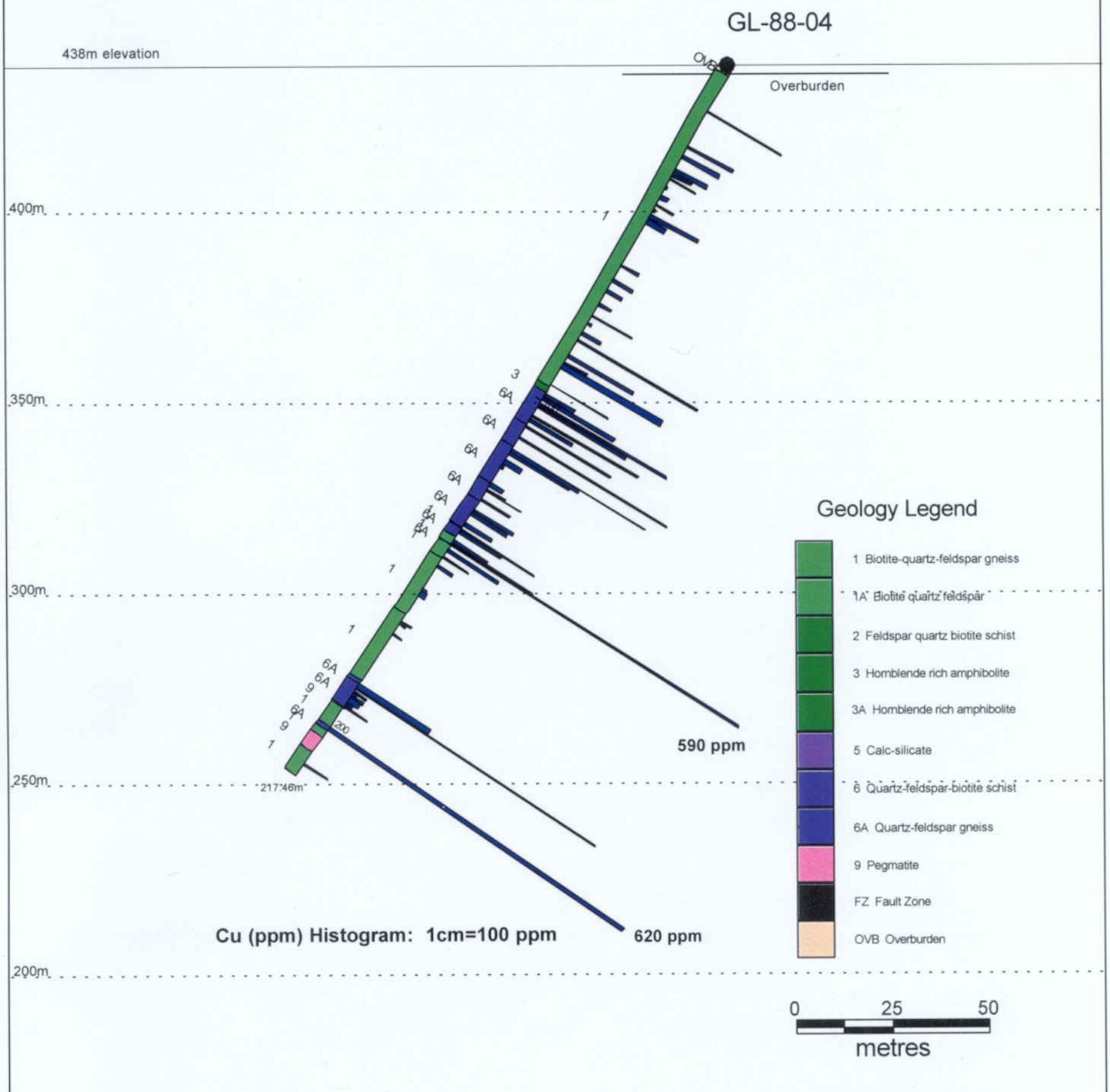
Emerald Field Resources Corporation

Mill City Gold Inc.
Bridges/Fairservice Property, Kenora

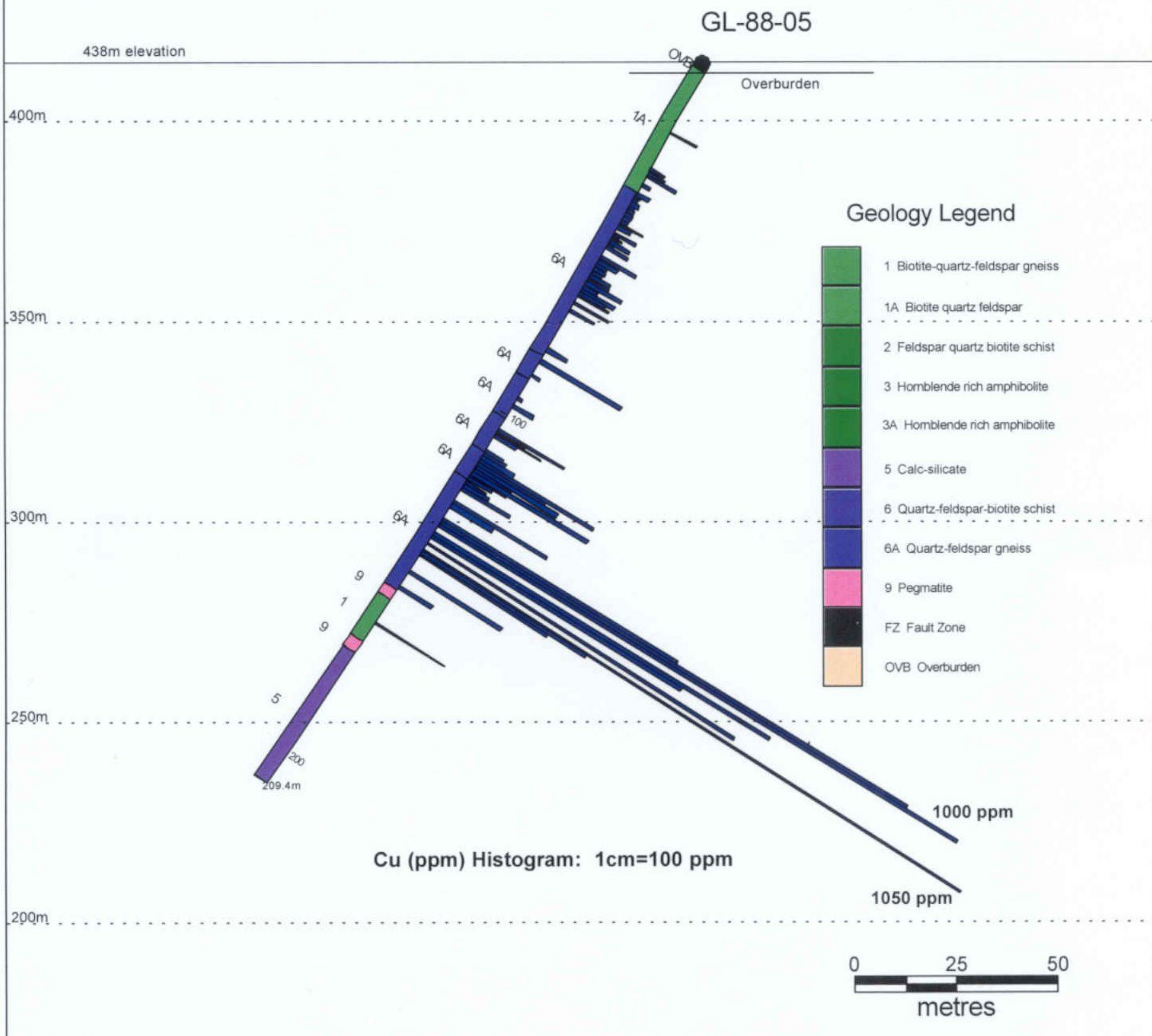
GL88-03
Claim No. K-818178, 818171
L24+85E, 0+00N

Cu Values

Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8803_Cu
Scale: 1:1500
Projection:



Emerald Field Resources Corporation	
	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-04 Claim No. K-803838 L36+00E, 1+00S
Author: AM	
Office: Kenora	
Drawing: GL8804_Cu	Cu Values
Scale: 1:1500	Projection:



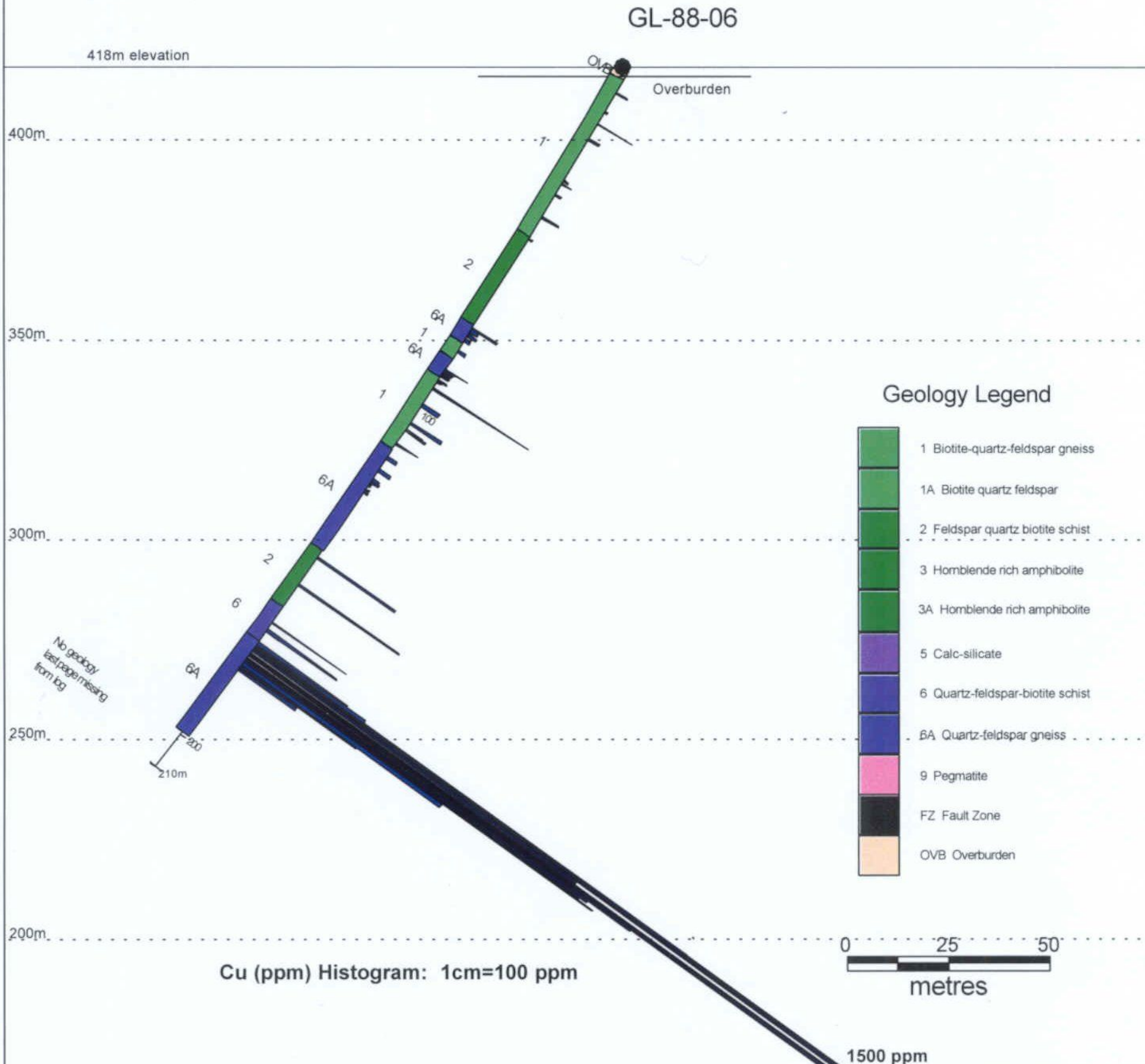
Emerald Field Resources Corporation

Mill City Gold Inc.
Bridges/Fairservice Property, Kenora

GL88-05
Claim No. K-818181, 818180
L21+11E, 1+05S

Cu Values

Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8805_Cu
Scale: 1:1500
Projection:



Emerald Field Resources Corporation

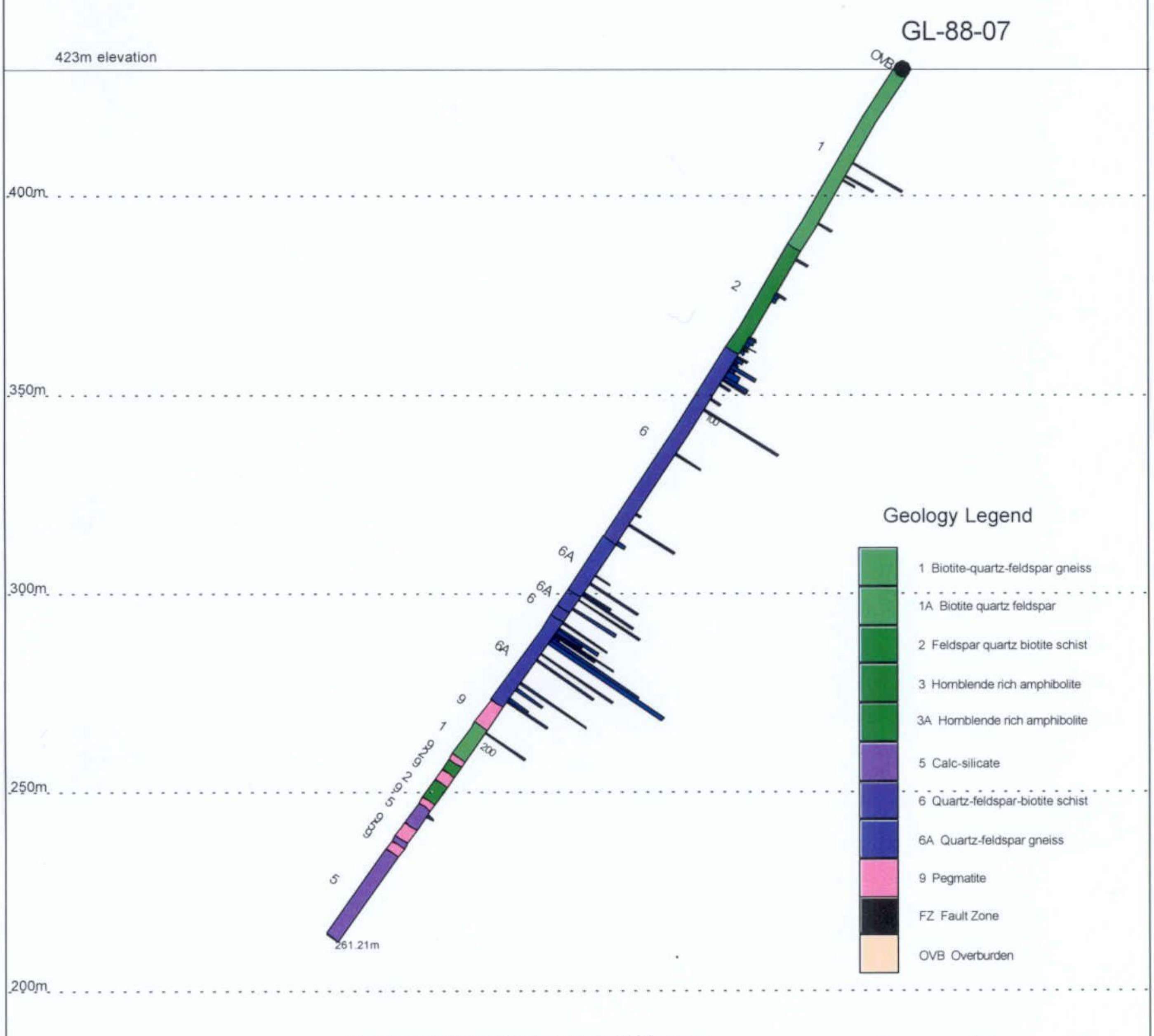
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora

Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8806_Cu
Scale: 1:1500

GL88-06
Claim No. K-818167, 818168
L31+00E, 0+40S

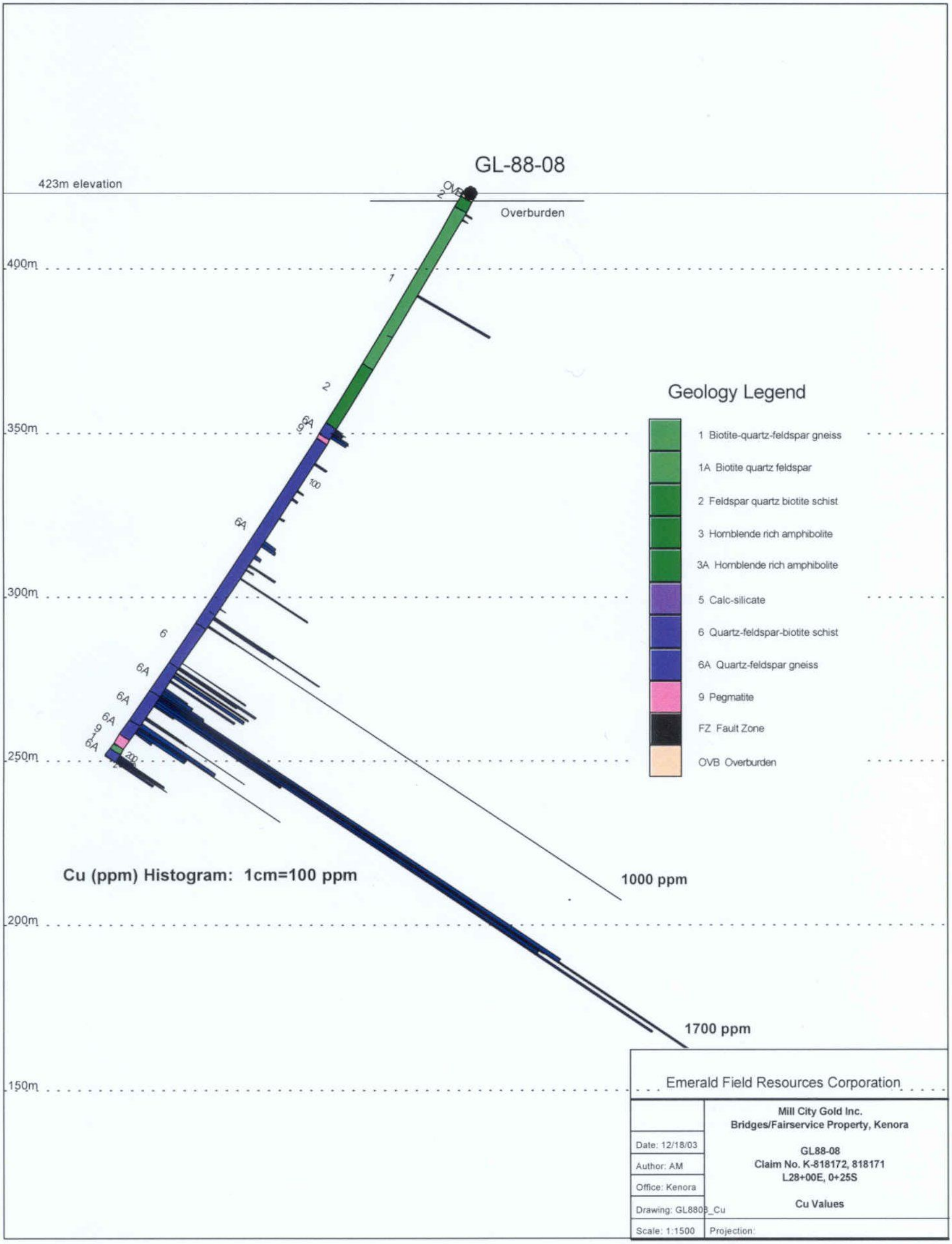
Cu Values

Projection:

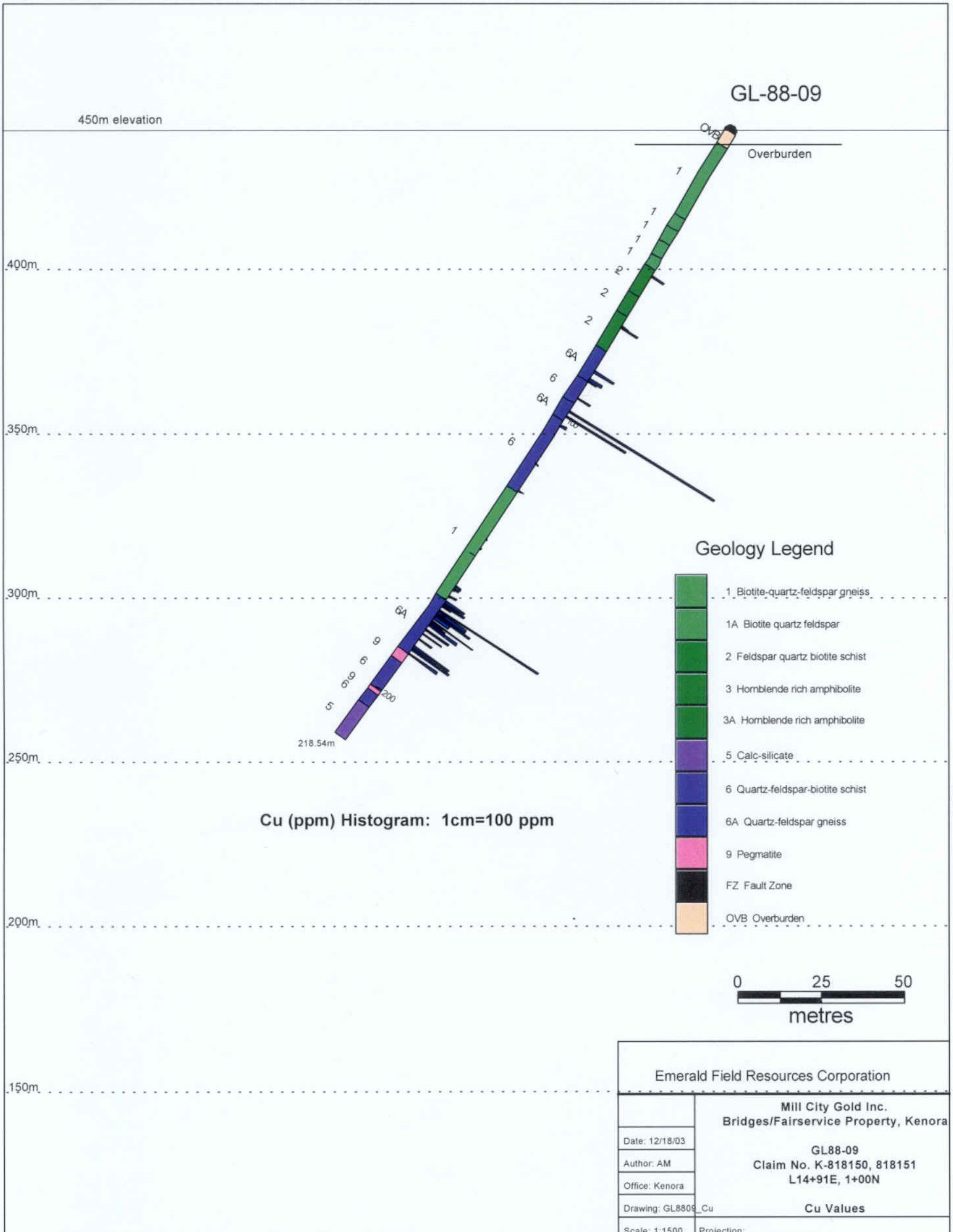


Cu (ppm) Histogram: 1cm=100 ppm

Emerald Field Resources Corporation	
	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-07
Author: AM	Claim No. K-818172, 818171
Office: Kenora	L28+02E, 0+25S
Drawing: GL8807_Cu	Cu Values
Scale: 1:1500	Projection:



GL-88-08
423m elevation
Overburden
400m
350m
300m
250m
200m
150m
1
2
6A
9
6
100
200
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
Cu (ppm) Histogram: 1cm=100 ppm
1000 ppm
1700 ppm
Emerald Field Resources Corporation
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora
GL88-08
Claim No. K-818172, 818171
L28+00E, 0+25S
Cu Values
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8808_Cu
Scale: 1:1500
Projection:


GL-88-09
450m elevation
OVB
Overburden
400m
350m
300m
250m
200m
150m
218.54m
Cu (ppm) Histogram: 1cm=100 ppm
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0 25 50
metres
Emerald Field Resources Corporation
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8809_Cu
Scale: 1:1500
GL88-09
Claim No. K-818150, 818151
L14+91E, 1+00N
Cu Values
Projection:

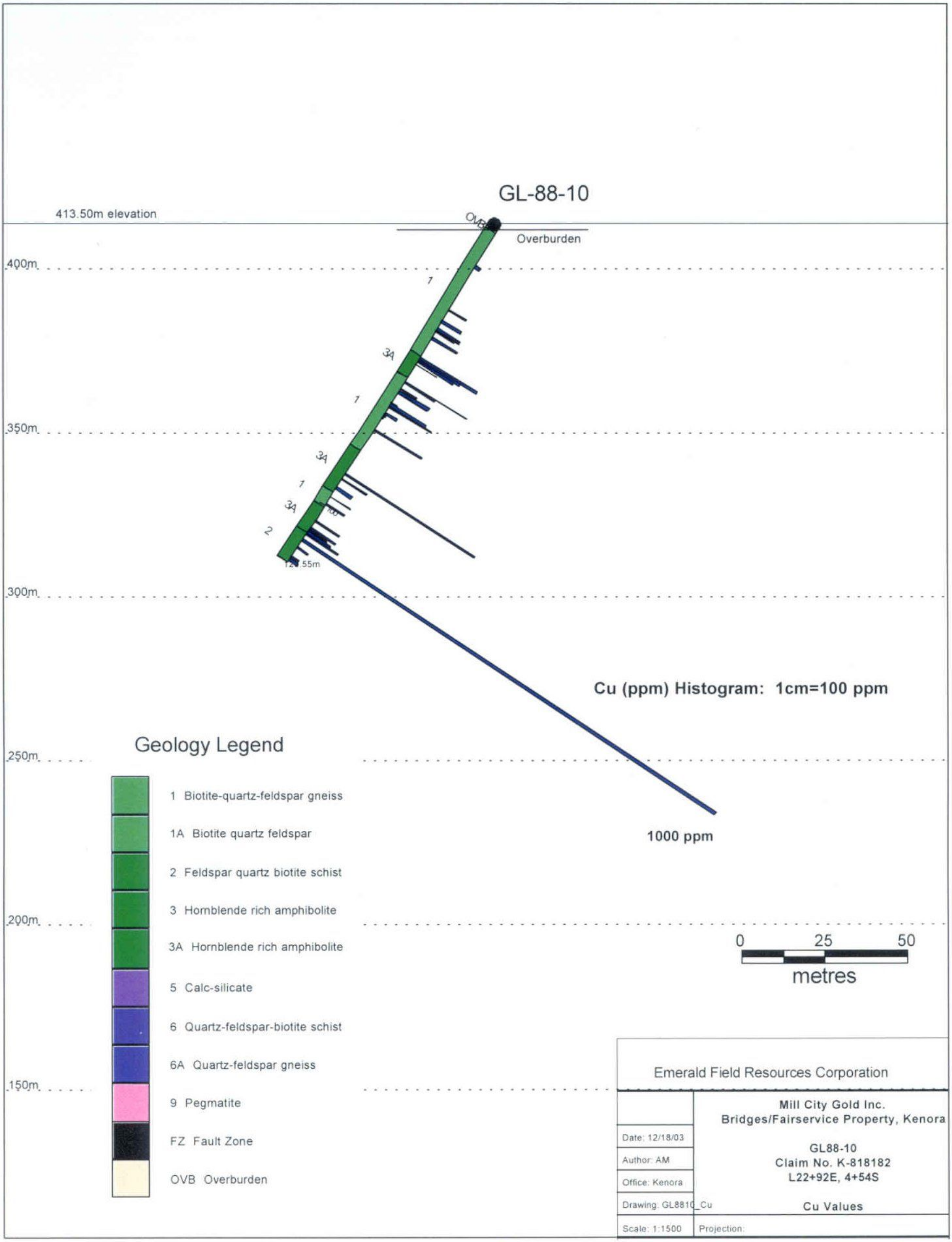
Problem Page
The original page in this document had a problem when scanned and as a result was unable to convert to Portable Document Format (PDF).

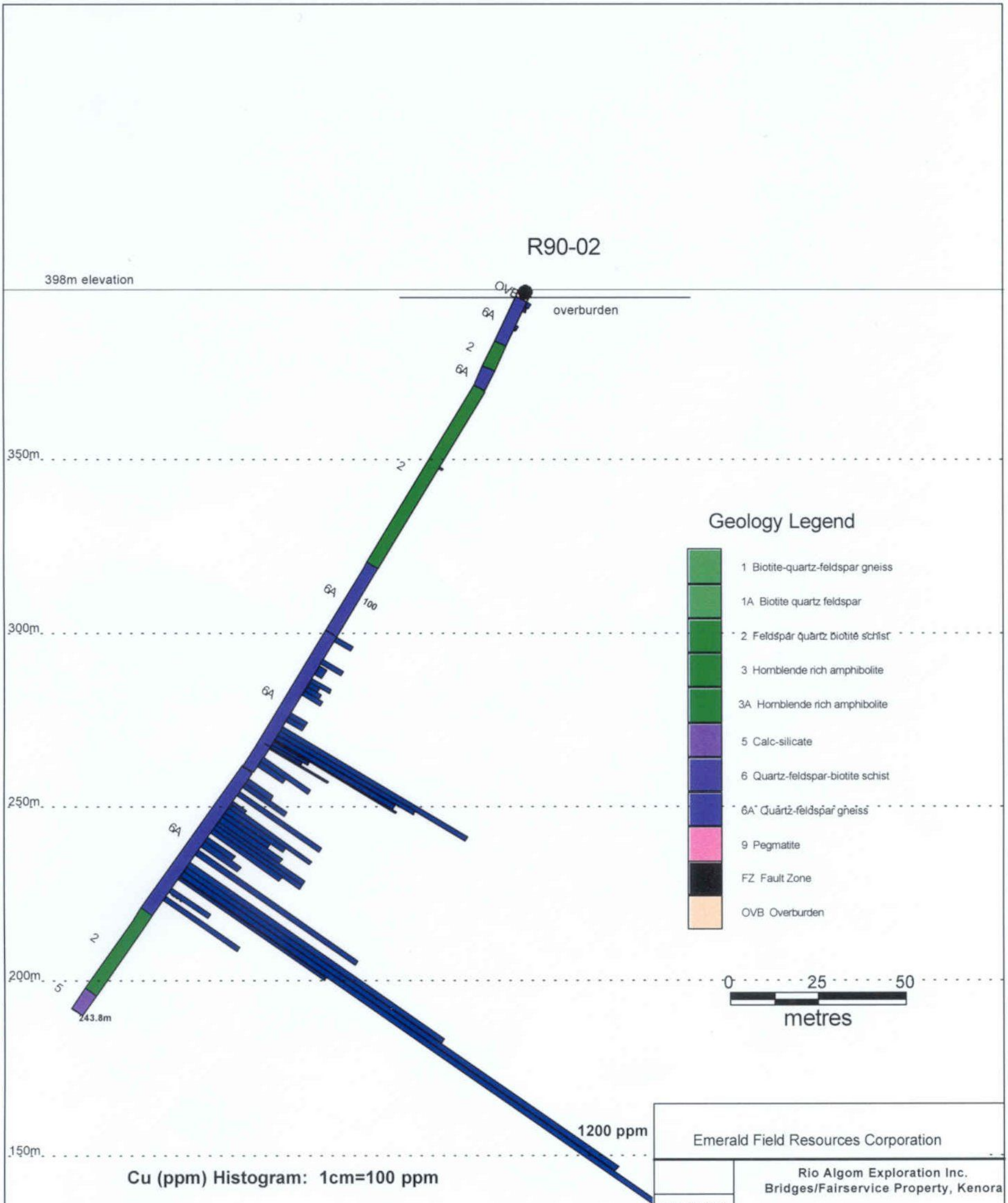
We apologize for the inconvenience.

Problème de conversion de page
Un problème est survenu au moment de balayer la page originale dans ce document. La page n'a donc pu être convertie en format PDF.

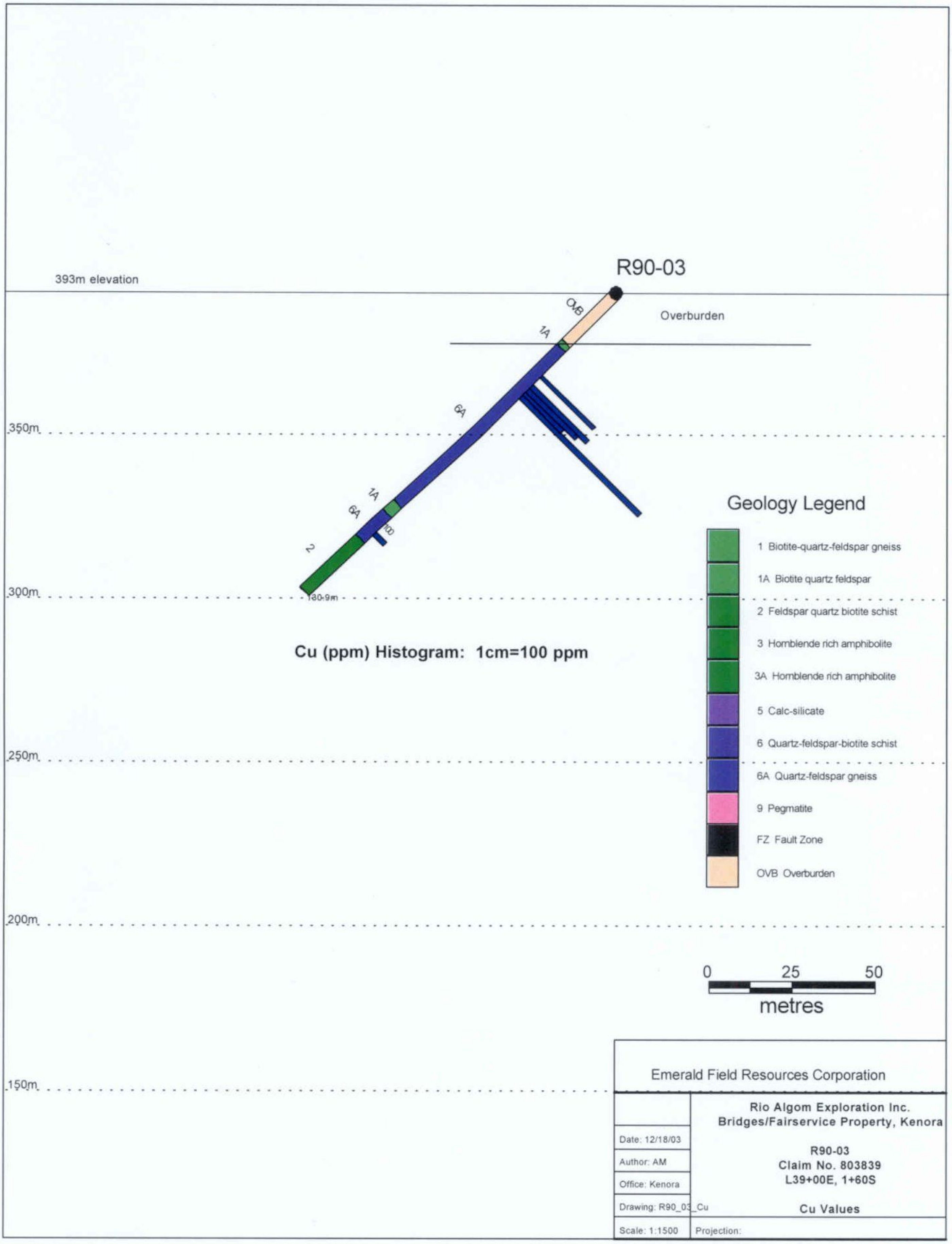
Nous regrettons tout inconvénient occasionné par ce problème.

TIF_JPG_Conversion_Failure_Bad_Header_MNDM111x1


GL-88-10
413.50m elevation
OVB
Overburden
400m
350m
300m
250m
200m
150m
1
3A
1
3A
1
3A
2
12?.55m
Cu (ppm) Histogram: 1cm=100 ppm
1000 ppm
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0 25 50
metres
Emerald Field Resources Corporation
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8810_Cu
Scale: 1:1500
GL88-10
Claim No. K-818182
L22+92E, 4+54S
Cu Values
Projection:



Emerald Field Resources Corporation	
	Rio Algom Exploration Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	R90-02 Claim No. K-818181 L19+00E, BL0+00
Author: AM	
Office: Kenora	
Drawing: R9002_Cu	Cu Values
Scale: 1:1500	Projection:



R90-03
393m elevation
Overburden
OVB
1A
6A
1A
6A
2
100
180.9m
350m
300m
250m
200m
150m
Cu (ppm) Histogram: 1cm=100 ppm
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0 25 50
metres
Emerald Field Resources Corporation
Rio Algom Exploration Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: R90_03_Cu
Scale: 1:1500
R90-03
Claim No. 803839
L39+00E, 1+60S
Cu Values
Projection:

DIAMOND DRILL HOLE X-SECTION DIAGRAMS

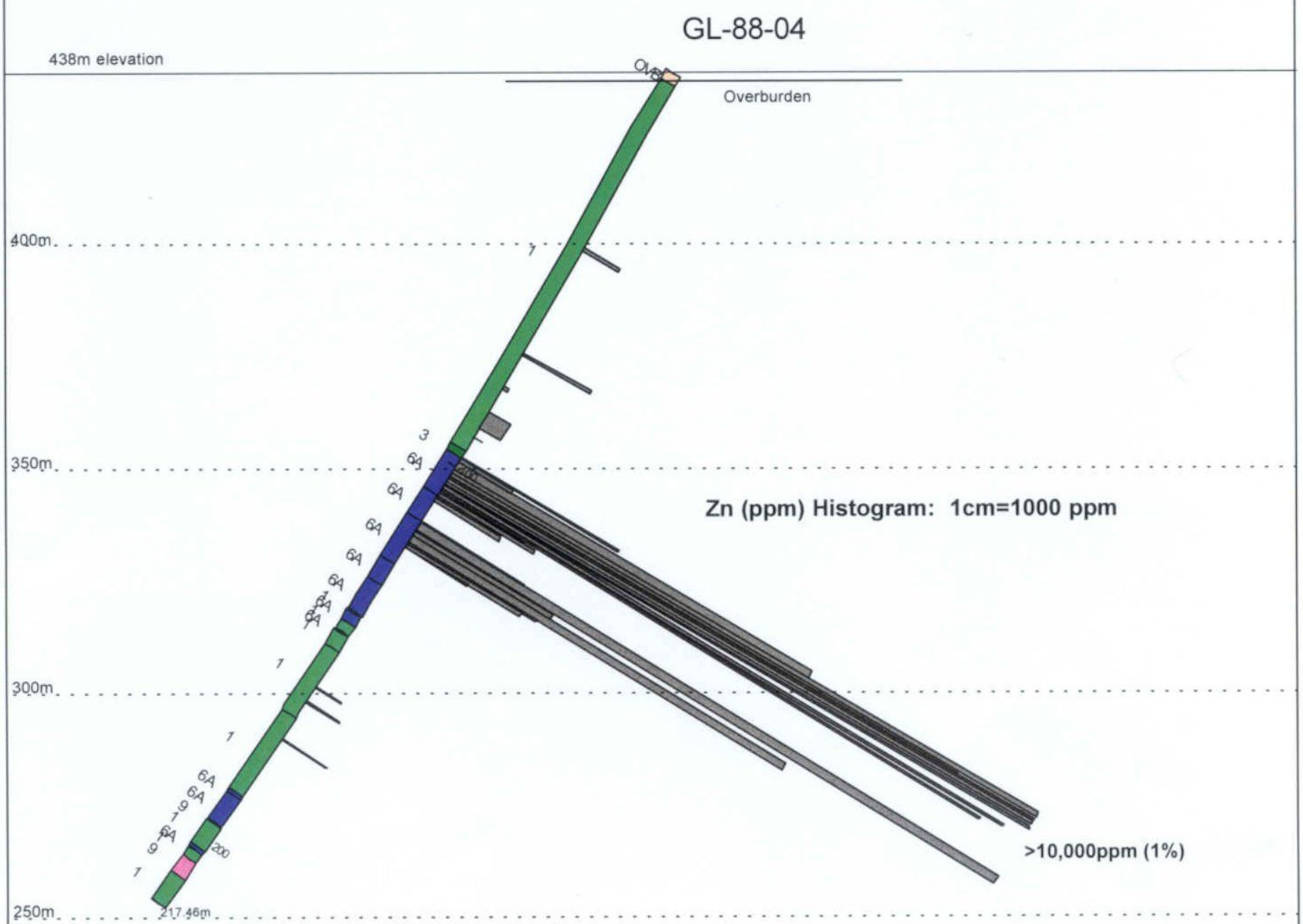
for

D.D.H. # GL-88-04

Grid Location L36+00E-1+00S

ADDITION ANALYSIS

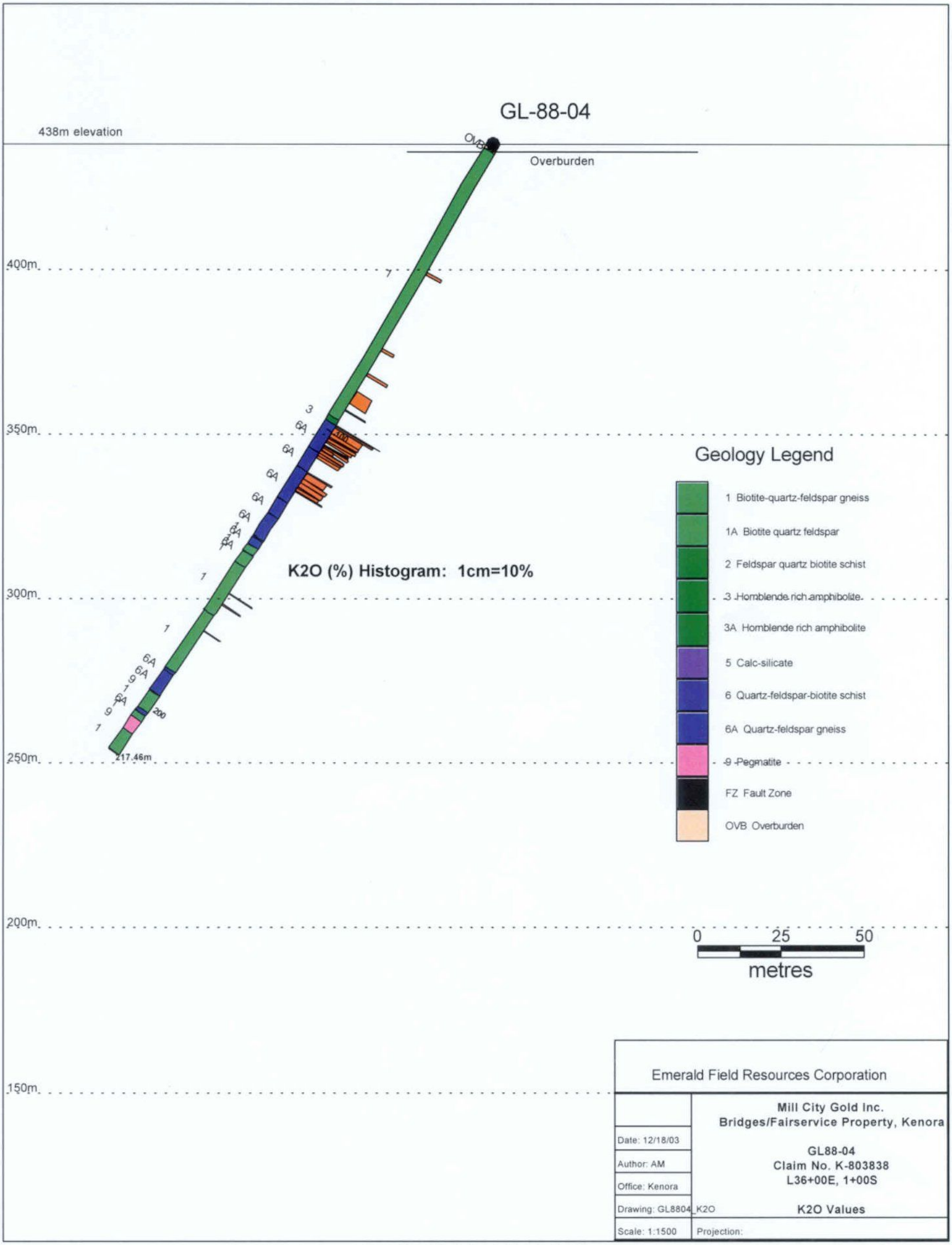
Zn (Zinc) in ppm
K_2O in %
MgO in %
SiO_2 %



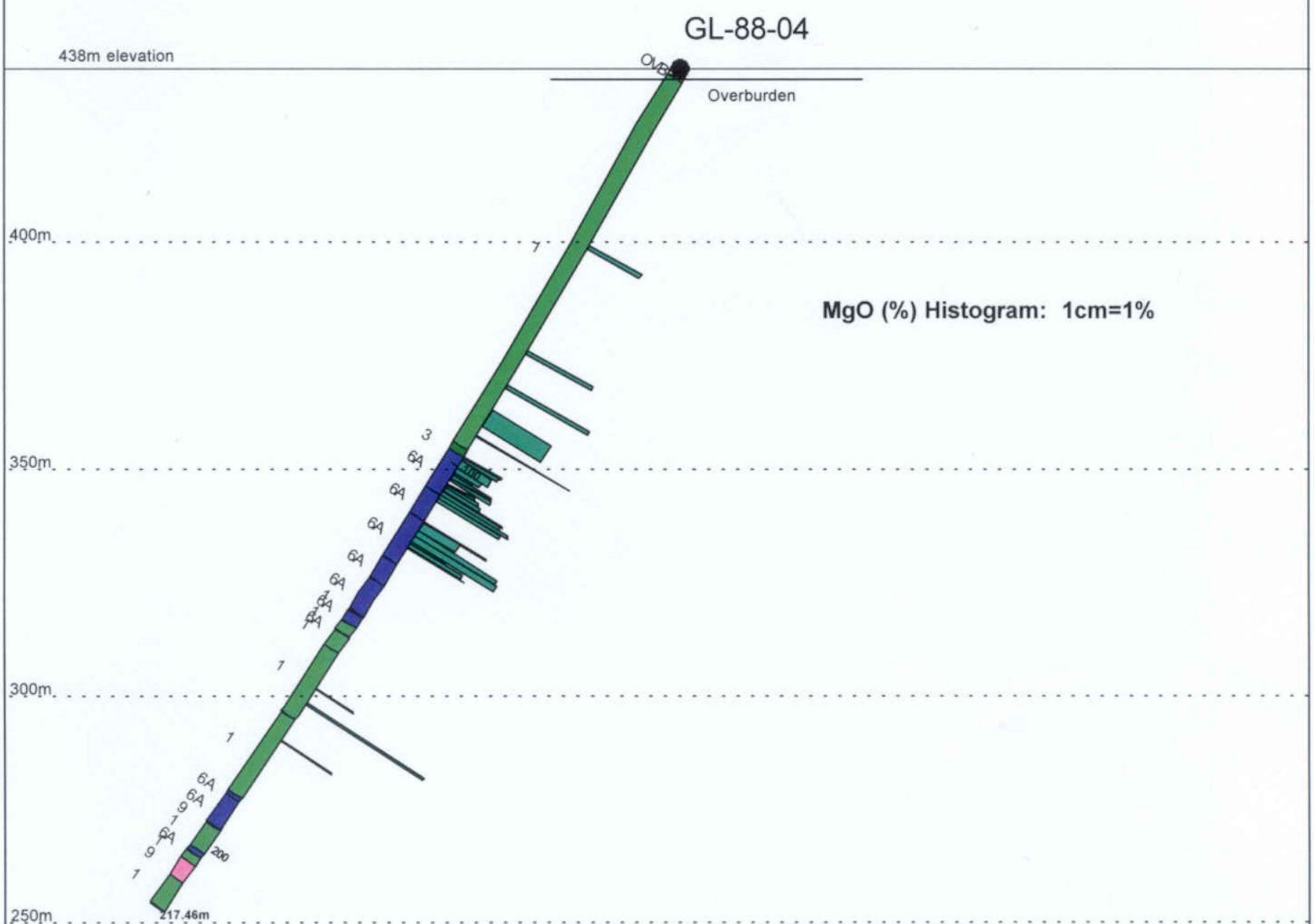
Geology Legend

- 1 Biotite-quartz-feldspar gneiss
- 1A Biotite quartz feldspar
- 2 Feldspar quartz biotite schist
- 3 Hornblende rich amphibolite
- 3A Hornblende rich amphibolite
- 5 Calc-silicate
- 6 Quartz-feldspar-biotite schist
- 6A Quartz-feldspar gneiss
- 9 Pegmatite
- FZ Fault Zone
- OVB Overburden

Emerald Field Resources Corporation	
	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-04
Author: AM	Claim No. K-803838
Office: Kenora	L36+00E, 1+00S
Drawing: GL8804_Zn	Zn Values
Scale: 1:1500	Projection:



GL-88-04
438m elevation
OVB
Overburden
400m
350m
300m
250m
200m
150m
7
3
6A
9
200
217.46m
K2O (%) Histogram: 1cm=10%
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0
25
50
metres
Emerald Field Resources Corporation
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8804_K2O
Scale: 1:1500
GL88-04
Claim No. K-803838
L36+00E, 1+00S
K2O Values
Projection:



Geology Legend

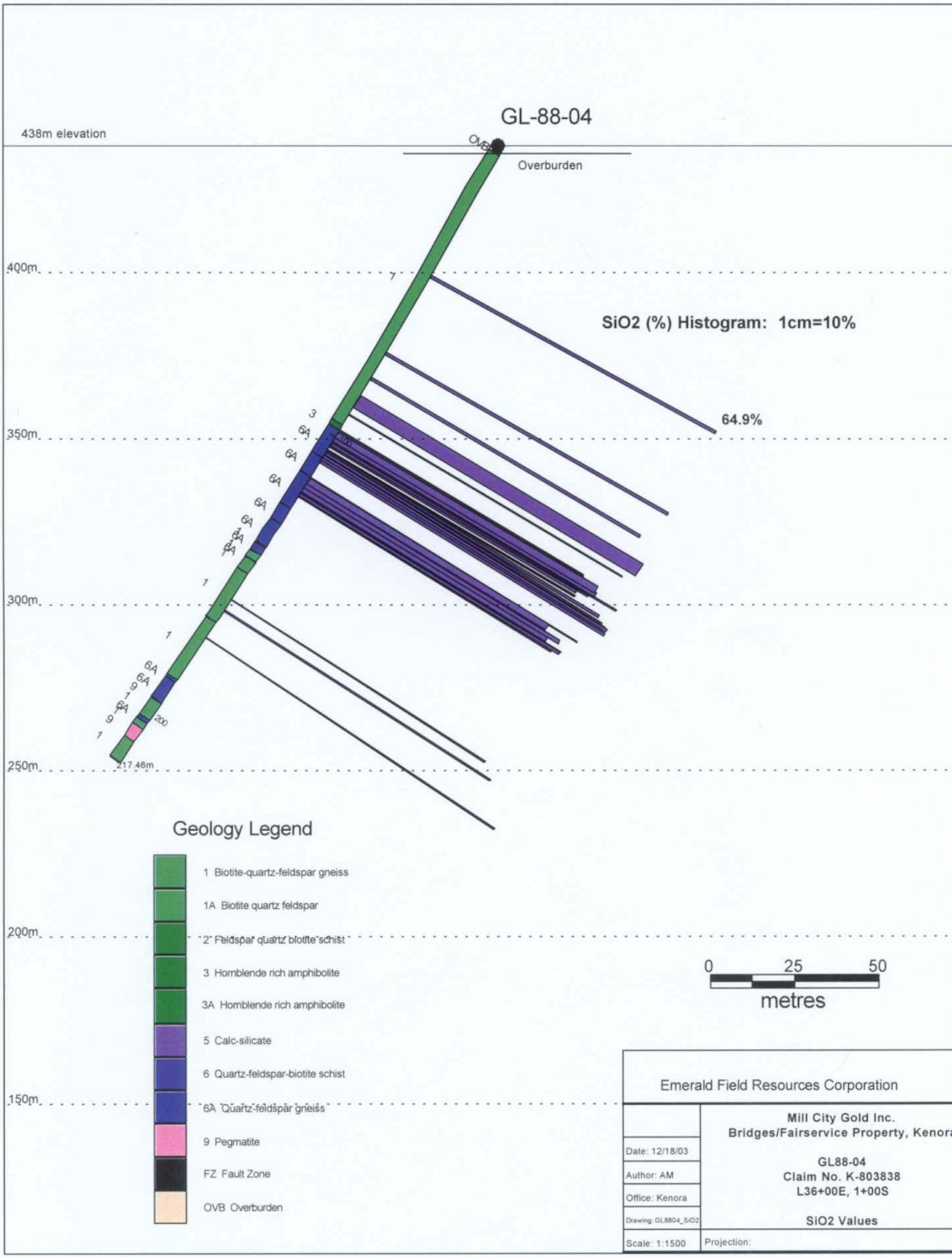
- 1 Biotite-quartz-feldspar gneiss
- 1A Biotite quartz feldspar
- 2 Feldspar quartz biotite schist
- 3 Hornblende rich amphibolite
- 3A Hornblende rich amphibolite
- 5 Calc-silicate
- 6 Quartz-feldspar-biotite schist
- 6A Quartz-feldspar gneiss
- 9 Pegmatite
- FZ Fault Zone
- OVB Overburden

200m

150m

Emerald Field Resources Corporation

	Mill City Gold Inc. Bridges/Fairservice Property, Kenora
Date: 12/18/03	GL88-04
Author: AM	Claim No. K-803838
Office: Kenora	L36+00E, 1+00S
Drawing: GL8804_MgO	MgO Values
Scale: 1:1500	Projection:


GL-88-04
438m elevation
OVB
Overburden
400m
350m
300m
250m
200m
150m
SiO2 (%) Histogram: 1cm=10%
64.9%
7
3
6A
6A
6A
6A
6A
6A
7
7
6A
6A
9
7
6A
9
7
200
217.46m
Geology Legend
1 Biotite-quartz-feldspar gneiss
1A Biotite quartz feldspar
2 Feldspar quartz biotite schist
3 Hornblende rich amphibolite
3A Hornblende rich amphibolite
5 Calc-silicate
6 Quartz-feldspar-biotite schist
6A Quartz-feldspar gneiss
9 Pegmatite
FZ Fault Zone
OVB Overburden
0
25
50
metres
Emerald Field Resources Corporation
Mill City Gold Inc.
Bridges/Fairservice Property, Kenora
Date: 12/18/03
Author: AM
Office: Kenora
Drawing: GL8804_SiO2
Scale: 1:1500
GL88-04
Claim No. K-803838
L36+00E, 1+00S
SiO2 Values
Projection:

SGS

CERTIFICATE OF ANALYSIS

Work Order: 073980

To: **Emerald Fields Resources Corporation**
Attn: Al Mowat

Date : 10/09/03

1546 Pine Portage Rd.
KENORA
ONTARIO/CANADA/P9N 2K2

Copy 1 to :

P.O. No.	:	
Project No.	:	BRIDGES-VMS
No. of Samples	:	29 Core
Date Submitted	:	20/08/03
Report Comprises	:	Cover Sheet plus Pages 1 to 8

Distribution of unused material:
Pulps: Discarded After 90 Days Unless Instructed!!!
Rejects: Discarded After 90 Days Unless Instructed!!!

Certified By :

Dr. Hugh de Souza, General Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result
*INF	= Composition of this sample makes detection impossible by this method		

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

SGS

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	SiO2	Al2O3	CaO	MgO	Na2O	K2O	Fe2O3	MnO	TiO2	P2O5	Cr2O3	LOI	Sum	Rb	Sr	Y
Method.	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102
Det.Lim.	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2	2	2
Units.	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
EF-GL-88-04-01	64.90	16.08	5.97	1.38	0.88	3.47	5.17	0.30	0.50	0.15	0.02	1.00	99.96	92	364	8
EF-GL-88-04-02	64.56	15.66	5.08	1.81	2.77	2.78	4.46	0.12	0.49	0.13	0.03	0.90	98.96	76	493	11
EF-GL-88-04-03	62.16	15.67	4.53	2.30	2.01	4.60	5.55	0.22	0.50	0.14	0.02	1.65	99.54	119	479	10
EF-GL-88-04-04	65.59	15.51	3.39	1.67	2.56	3.67	4.76	0.21	0.43	0.13	0.04	1.35	99.49	88	348	7
EF-GL-88-04-05	63.23	15.95	5.13	2.65	0.21	4.66	4.84	0.25	0.50	0.14	0.02	2.10	99.82	116	147	11
EF-GL-88-04-06	56.52	18.18	1.58	1.02	0.44	10.21	5.79	1.64	0.65	0.21	0.03	1.80	98.35	247	163	12
EF-GL-88-04-07	56.65	18.12	2.44	1.07	0.68	8.74	4.78	3.25	0.55	0.19	0.02	1.00	97.73	202	151	13
EF-GL-88-04-08	60.22	16.61	1.69	0.86	0.26	6.56	4.33	2.31	0.50	0.15	0.04	2.20	95.88	182	115	12
EF-GL-88-04-09	60.65	15.59	0.69	0.73	<0.01	6.48	3.89	3.04	0.46	0.12	0.04	2.80	94.53	183	88	8
EF-GL-88-04-10	65.88	14.12	0.54	0.53	<0.01	6.28	2.64	3.05	0.28	0.09	0.05	2.00	95.55	183	79	10
EF-GL-88-04-11	59.56	15.72	0.78	1.14	<0.01	6.36	3.78	2.71	0.45	0.11	0.04	3.10	93.70	204	78	11
EF-GL-88-04-12	56.97	15.47	0.84	1.09	<0.01	5.95	4.20	4.40	0.44	0.11	0.05	3.00	92.64	191	80	10
EF-GL-88-04-13	57.20	13.08	0.69	0.80	<0.01	5.52	6.04	3.60	0.35	0.12	0.04	2.80	89.69	174	77	9
EF-GL-88-04-14	63.39	14.46	1.06	0.94	<0.01	5.72	3.90	2.87	0.30	0.10	0.05	2.20	95.18	173	107	9
EF-GL-88-04-15	64.65	16.70	2.06	1.00	<0.01	2.58	3.97	2.29	0.38	0.10	0.04	2.40	96.11	88	96	11
EF-GL-88-04-16	65.61	15.46	1.86	1.69	0.31	5.14	4.54	1.23	0.45	0.11	0.04	1.95	98.52	196	95	11
EF-GL-88-04-17	66.18	15.37	2.30	1.58	0.32	5.40	4.58	1.00	0.43	0.11	0.03	1.65	99.04	177	102	11
EF-GL-88-04-18	65.59	15.86	3.39	1.88	0.37	5.23	4.44	0.71	0.43	0.11	0.04	1.60	99.77	172	131	8
EF-GL-88-04-19	66.33	14.85	2.54	1.69	0.27	5.13	4.93	0.95	0.45	0.11	0.03	1.65	99.05	152	132	9
EF-GL-88-04-20	62.49	14.73	0.66	1.83	<0.01	5.78	7.29	0.82	0.41	0.11	0.04	3.50	97.73	156	94	6
EF-GL-88-04-21	55.88	12.95	0.39	1.06	<0.01	4.70	9.86	0.82	0.40	0.08	0.04	5.00	89.98	110	75	5
EF-GL-88-04-22	59.46	14.35	0.63	2.29	<0.01	5.58	10.57	1.59	0.40	0.11	0.05	1.75	96.64	138	85	6
EF-GL-88-04-23	57.19	14.28	1.01	2.42	<0.01	5.38	10.42	1.58	0.40	0.12	0.04	1.60	94.09	136	87	7
EF-GL-88-04-24	60.80	14.40	0.49	1.15	<0.01	4.26	10.63	1.66	0.41	0.11	0.05	3.00	96.58	88	47	7
EF-GL-88-04-25	60.63	14.20	0.79	1.59	<0.01	5.04	9.54	2.35	0.37	0.14	0.04	1.20	95.71	110	48	9
EF-GL-88-04-26	59.11	14.86	0.61	1.54	<0.01	6.18	11.53	2.14	0.41	0.11	0.05	1.00	97.63	133	47	8
EF-GL-88-04-27	59.90	16.25	2.58	1.11	0.56	5.38	2.85	6.02	0.41	0.12	0.04	0.40	95.74	120	78	12
EF-GL-88-04-28	62.77	15.60	6.11	3.15	1.00	4.26	4.54	0.98	0.44	0.12	0.05	0.40	99.55	120	212	11
EF-GL-88-04-29	68.85	15.25	3.57	1.42	0.43	3.78	3.47	1.29	0.34	0.11	0.02	0.70	99.32	87	92	7
*Dup EF-GL-88-04-01	65.04	16.07	5.96	1.38	0.88	3.47	5.17	0.30	0.50	0.15	0.02	1.00	100.1	91	366	8

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	SiO2	Al2O3	CaO	MgO	Na2O	K2O	Fe2O3	MnO	TiO2	P2O5	Cr2O3	LOI	Sum	Rb	Sr	Y
Method.	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102	XRF102
Det.Lim.	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2	2	2
Units.	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
*Dup EF-GL-88-04-13	57.33	13.13	0.69	0.80	<0.01	5.51	6.04	3.58	0.35	0.12	0.04	2.90	89.93	173	79	7
*Dup EF-GL-88-04-25	60.63	14.21	0.79	1.59	<0.01	5.06	9.55	2.35	0.37	0.14	0.04	1.20	95.75	110	48	9

SGS

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	Zr	Nb	Ba	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe
Method.	XRF102	XRF102	XRF102	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80
Det.Lim.	2	2	20	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.01	2	1	2	0.01
Units.	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	%
EF-GL-88-04-01	84	6	687	<0.5	0.70	0.87	8.60	0.07	3.14	4.61	10.1	0.32	97	102	2120	3.61
EF-GL-88-04-02	107	6	877	<0.5	2.08	1.08	8.20	0.06	2.49	3.68	7.2	0.36	78	146	858	2.99
EF-GL-88-04-03	90	6	1000	<0.5	1.50	1.38	7.99	0.07	4.02	3.35	10.1	0.37	96	98	1620	3.75
EF-GL-88-04-04	89	6	981	<0.5	1.93	1.00	7.94	0.06	3.21	2.46	6.3	0.30	69	140	1480	3.20
EF-GL-88-04-05	91	5	780	<0.5	0.16	1.57	8.09	0.07	3.98	3.75	10.0	0.36	96	82	1730	3.29
EF-GL-88-04-06	123	5	1830	<0.5	0.37	0.63	9.54	0.10	9.22	1.25	11.8	0.49	116	140	>10000	4.46
EF-GL-88-04-07	109	6	1780	<0.5	0.46	0.60	8.73	0.08	7.25	1.73	9.6	0.37	94	107	>10000	4.00
EF-GL-88-04-08	105	7	990	<0.5	0.42	0.52	7.66	0.07	5.66	1.26	9.7	0.21	72	168	>10000	3.60
EF-GL-88-04-09	105	6	1240	0.5	0.34	0.42	6.84	0.06	5.35	0.49	7.4	0.07	61	197	>10000	3.47
EF-GL-88-04-10	75	7	1170	<0.5	0.30	0.30	6.50	0.04	5.56	0.39	6.2	0.06	43	185	>10000	2.80
EF-GL-88-04-11	114	8	1490	1.1	0.33	0.66	7.33	0.05	5.32	0.58	8.2	0.10	60	151	>10000	3.45
EF-GL-88-04-12	112	8	1420	<0.5	0.31	0.68	7.32	0.06	5.27	0.64	9.6	0.12	72	265	>10000	4.32
EF-GL-88-04-13	100	6	1690	<0.5	0.25	0.46	5.97	0.06	4.67	0.49	6.5	0.12	50	231	>10000	5.14
EF-GL-88-04-14	83	7	1570	0.8	0.34	0.54	6.34	0.05	4.74	0.75	5.3	0.08	39	183	>10000	3.45
EF-GL-88-04-15	81	9	571	1.0	0.27	0.60	5.77	0.05	2.33	1.50	7.8	0.12	56	178	>10000	3.34
EF-GL-88-04-16	107	8	740	<0.5	0.29	1.02	7.07	0.05	4.50	1.41	6.2	0.21	62	176	8660	3.46
EF-GL-88-04-17	97	8	578	0.7	0.36	0.99	7.59	0.06	4.82	1.79	6.0	0.22	59	126	7400	3.50
EF-GL-88-04-18	100	7	667	<0.5	0.33	1.16	8.06	0.05	4.64	2.60	5.4	0.29	64	172	5020	3.23
EF-GL-88-04-19	100	7	725	<0.5	0.30	1.05	7.53	0.05	4.48	1.94	5.8	0.21	64	123	6920	3.66
EF-GL-88-04-20	107	5	946	<0.5	0.17	1.06	6.67	0.05	4.91	0.50	6.6	0.26	65	210	5720	4.90
EF-GL-88-04-21	101	4	794	0.6	0.15	0.62	5.40	0.04	3.83	0.27	6.0	0.20	54	140	5540	6.48
EF-GL-88-04-22	98	5	1000	<0.5	0.16	1.36	6.31	0.05	5.05	0.48	7.0	0.28	58	227	>10000	6.93
EF-GL-88-04-23	97	6	1090	<0.5	0.13	1.41	6.15	0.05	4.69	0.64	7.3	0.27	63	190	>10000	6.69
EF-GL-88-04-24	97	4	537	<0.5	0.13	0.59	4.96	0.05	3.67	0.35	7.6	0.20	50	236	>10000	6.43
EF-GL-88-04-25	89	6	856	<0.5	0.14	0.90	6.03	0.06	4.37	0.57	7.7	0.26	58	197	>10000	6.41
EF-GL-88-04-26	98	4	885	<0.5	0.18	0.97	7.17	0.05	5.59	0.47	7.5	0.31	70	270	>10000	7.69
EF-GL-88-04-27	95	6	808	<0.5	0.41	0.64	7.56	0.05	4.60	1.83	8.5	0.19	69	198	>10000	3.53
EF-GL-88-04-28	89	8	744	<0.5	0.80	2.03	8.45	0.06	3.94	4.78	10.0	0.33	87	221	7230	3.45
EF-GL-88-04-29	85	5	450	<0.5	0.47	0.88	7.57	0.05	3.36	2.74	4.2	0.15	42	95	9210	2.75
*Dup EF-GL-88-04-01	84	6	685	<0.5	0.65	0.86	8.41	0.07	3.03	4.51	9.9	0.32	95	98	2110	3.53

SGS

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	Zr	Nb	Ba	Be	Na	Mg	Al	P	K	Ca	Sc	Ti	V	Cr	Mn	Fe
Method.	XRF102	XRF102	XRF102	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80
Det.Lim.	2	2	20	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.01	2	1	2	0.01
Units.	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	%
*Dup EF-GL-88-04-13	100	5	1690	<0.5	0.24	0.47	6.05	0.06	4.75	0.49	6.6	0.12	51	258	>10000	5.13
*Dup EF-GL-88-04-25	90	6	858	<0.5	0.14	0.92	6.11	0.07	4.42	0.58	7.7	0.26	59	198	>10000	6.46

SGS

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	Co	Ni	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W
Method.	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80
Det.Lim.	1	1	0.5	0.5	3	0.5	0.5	0.5	1	0.2	1	10	5	1	0.5	10
Units.	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
EF-GL-88-04-01	16	23	112	609	4	373	7.2	56.4	2	3.5	5	<10	<5	704	26.9	<10
EF-GL-88-04-02	11	14	18.2	1140	4	480	6.9	56.9	5	1.6	6	<10	<5	862	18.1	<10
EF-GL-88-04-03	17	27	22.7	92.5	<3	487	7.2	47.4	2	0.7	<1	<10	<5	1000	22.2	10
EF-GL-88-04-04	14	20	236	379	<3	342	5.4	56.2	7	4.9	<1	<10	<5	1040	19.7	<10
EF-GL-88-04-05	13	24	27.5	155	<3	144	7.1	60.6	1	1.6	<1	<10	<5	756	23.5	<10
EF-GL-88-04-06	14	54	113	2700	4	192	8.7	79.1	3	>10.0	6	<10	<5	1960	29.4	14
EF-GL-88-04-07	12	43	59.4	902	5	160	8.5	69.3	2	8.3	2	<10	<5	1730	26.2	14
EF-GL-88-04-08	12	39	146	6070	<3	117	7.4	46.6	3	>10.0	19	<10	<5	989	25.1	12
EF-GL-88-04-09	12	50	224	>10000	<3	88.5	4.9	36.0	2	>10.0	37	<10	7	875	17.6	14
EF-GL-88-04-10	7	33	186	8680	<3	80.2	4.8	28.5	4	>10.0	26	<10	6	1200	11.4	<10
EF-GL-88-04-11	10	46	225	>10000	3	83.8	6.4	44.5	3	>10.0	39	<10	5	572	18.2	<10
EF-GL-88-04-12	12	62	135	>10000	<3	85.7	7.7	42.9	3	>10.0	30	<10	<5	497	18.1	12
EF-GL-88-04-13	11	60	309	>10000	<3	82.4	5.4	46.2	4	>10.0	64	<10	<5	268	14.0	19
EF-GL-88-04-14	8	38	87.8	9660	<3	110	3.9	30.6	3	>10.0	25	<10	<5	759	13.3	11
EF-GL-88-04-15	10	32	90.1	9300	4	91.1	8.2	43.0	3	>10.0	29	<10	<5	549	19.1	<10
EF-GL-88-04-16	13	19	141	1440	<3	94.1	5.7	38.5	5	>10.0	2	<10	<5	759	19.4	11
EF-GL-88-04-17	12	19	188	1650	<3	107	5.9	50.6	5	>10.0	8	<10	<5	626	18.9	<10
EF-GL-88-04-18	11	17	173	456	<3	135	4.7	56.4	5	>10.0	3	<10	<5	656	19.1	11
EF-GL-88-04-19	13	20	231	1110	<3	137	5.2	48.1	6	>10.0	6	<10	<5	747	20.0	12
EF-GL-88-04-20	11	42	118	1780	3	95.3	3.8	43.1	4	>10.0	3	<10	<5	790	15.9	16
EF-GL-88-04-21	17	53	168	>10000	3	76.2	3.5	32.0	4	>10.0	112	<10	7	387	12.9	32
EF-GL-88-04-22	11	57	75.0	2370	<3	88.5	4.4	42.1	2	>10.0	30	<10	<5	990	15.0	27
EF-GL-88-04-23	10	57	31.3	6450	<3	81.6	5.0	51.4	2	>10.0	34	<10	<5	1110	12.3	24
EF-GL-88-04-24	16	62	106	2200	<3	43.0	4.8	43.3	2	>10.0	8	<10	<5	495	14.5	24
EF-GL-88-04-25	10	60	48.6	1970	<3	47.6	5.5	47.5	2	>10.0	26	<10	<5	866	11.8	23
EF-GL-88-04-26	7	62	48.7	1080	<3	48.1	5.9	44.7	2	>10.0	16	<10	<5	916	16.5	28
EF-GL-88-04-27	12	75	10.8	449	<3	78.6	5.7	53.6	2	<0.2	<1	<10	<5	760	15.2	<10
EF-GL-88-04-28	17	97	11.3	578	<3	217	6.3	48.6	2	1.5	<1	<10	<5	750	19.5	<10
EF-GL-88-04-29	7	13	34.9	781	<3	91.8	4.7	49.2	2	5.0	8	<10	<5	421	18.5	<10
*Dup EF-GL-88-04-01	16	22	110	573	3	361	7.0	55.7	2	3.1	4	<10	<5	694	26.7	10

SGS

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	Co	Ni	Cu	Zn	As	Sr	Y	Zr	Mo	Ag	Cd	Sn	Sb	Ba	La	W
Method.	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80	ICP80
Det.Lim.	1	1	0.5	0.5	3	0.5	0.5	0.5	1	0.2	1	10	5	1	0.5	10
Units.	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Dup EF-GL-88-04-13	11	60	307	>10000	<3	82.2	5.5	46.1	4	>10.0	66	<10	5	242	14.4	18
*Dup EF-GL-88-04-25	10	60	50.2	1970	<3	48.0	5.5	49.4	1	>10.0	27	<10	<5	879	13.4	23

SGS

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	Pb	Bi	Li
Method.	ICP80	ICP80	ICP80
Det.Lim.	2	5	1
Units.	ppm	ppm	ppm
EF-GL-88-04-01	313	6	26
EF-GL-88-04-02	36	5	57
EF-GL-88-04-03	15	6	50
EF-GL-88-04-04	74	<5	34
EF-GL-88-04-05	17	<5	85
EF-GL-88-04-06	744	10	27
EF-GL-88-04-07	275	10	35
EF-GL-88-04-08	1120	6	36
EF-GL-88-04-09	2050	5	36
EF-GL-88-04-10	2370	8	20
EF-GL-88-04-11	1870	7	47
EF-GL-88-04-12	1580	9	37
EF-GL-88-04-13	1810	8	21
EF-GL-88-04-14	2070	7	34
EF-GL-88-04-15	1090	7	44
EF-GL-88-04-16	1370	<5	46
EF-GL-88-04-17	687	<5	58
EF-GL-88-04-18	388	6	55
EF-GL-88-04-19	521	5	55
EF-GL-88-04-20	955	<5	50
EF-GL-88-04-21	905	9	32
EF-GL-88-04-22	1010	7	50
EF-GL-88-04-23	478	7	56
EF-GL-88-04-24	801	7	24
EF-GL-88-04-25	483	7	31
EF-GL-88-04-26	311	9	38
EF-GL-88-04-27	38	8	12
EF-GL-88-04-28	47	<5	23
EF-GL-88-04-29	869	<5	31
*Dup EF-GL-88-04-01	304	6	25

SGS

Work Order: 073980 **Date:** 10/09/03 **FINAL**

Element.	Pb	Bi	Li
Method.	ICP80	ICP80	ICP80
Det.Lim.	2	5	1
Units.	ppm	ppm	ppm
*Dup EF-GL-88-04-13	1800	10	21
*Dup EF-GL-88-04-25	483	8	32

Work Report Summary

Transaction No: W0310.01303 **Status:** APPROVED
Recording Date: 2003-AUG-25 **Work Done from:** 2003-MAY-05
Approval Date: 2004-JAN-23 **to:** 2003-AUG-17

Client(s):

303602 EMERALD FIELDS RESOURCE CORPORATION

Survey Type(s):

ASSAY GEOL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
K 1221211	$921	$651	$1,200	$1,200	$0	0	$0	$0	2004-AUG-20
K 1221212	$5,911	$4,177	$2,400	$1,431	$1,395	2,746	$2,116	$0	2003-AUG-20
K 1221214	$2,456	$1,736	$3,200	$3,200	$0	0	$0	$0	2004-AUG-27
K 1221215	$1,228	$867	$1,600	$1,600	$0	0	$0	$0	2004-SEP-05
	$10,516	$7,431	$8,400	$7,431	$1,395	$2,746	$2,116	$0	

External Credits: $0

Reserve:

$0 Reserve of Work Report#: W0310.01303

$0 Total Remaining

Status of claim is based on information currently on record.

52F13SE2005 2.26137 BRIDGES 900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2004-JAN-26

EMERALD FIELDS RESOURCE CORPORATION
1546 PINE PORTAGE RD.,
KENORA, ONTARIO
P9N 2K2 CANADA

Submission Number: 2.26137

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

The 45 days outlined in the Notice dated November 18, 2003 have passed. The additional information you have provided for this submission has corrected many of the deficiencies. However, the additional information has clarified that the GIS/MAPINFO cost of ($3,085.00) was for compilation purposes (i.e. production of coloured drill hole cross-sections). The costs for producing the compilation material is not eligible for assessment credit. Accordingly, this submission is being reduced by $3,085.00. The TOTAL VALUE of assessment credit that has been approved, based on the information provided in this submission, is $7,431.00. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office by Tuesday February 09, 2003 otherwise assessment credit will be cut-back and distributed as outlined in Section #6 of the Declaration of Assessment Work form.

Please note, there is no provision under the Mining Act and Regulations to extent the 45-day Notice period beyond 45 days. Please be aware of this for future submissions.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron C Gashinski

Ron C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Alasdair James Mowat
(Agent)

Assessment File Library

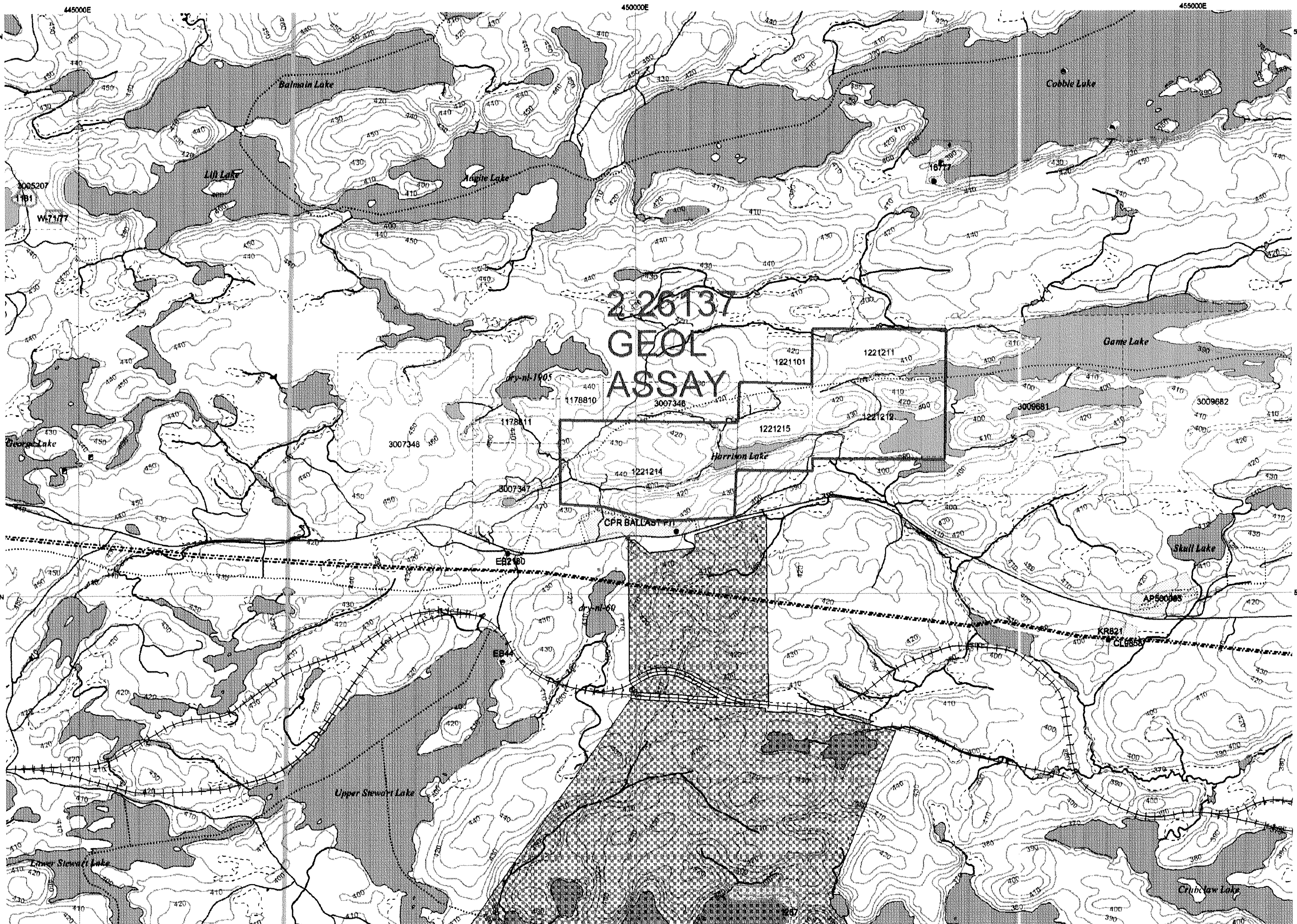
Emerald Fields Resource Corporation
(Claim Holder)

Emerald Fields Resource Corporation
(Assessment Office)

52F13SE2005 2.26137 BRIDGES 200

ONTARIO CANADA
MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map



UTM Zone 15
5000m grid

Date / Time of Issue: Fri Jan 23 13:35:14 EST 2004

TOWNSHIP / AREA BRIDGES

PLAN G-0812

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Kenora
Land Titles/Registry Division	KENORA
Ministry of Natural Resources District	DRYDEN

TOPOGRAPHIC

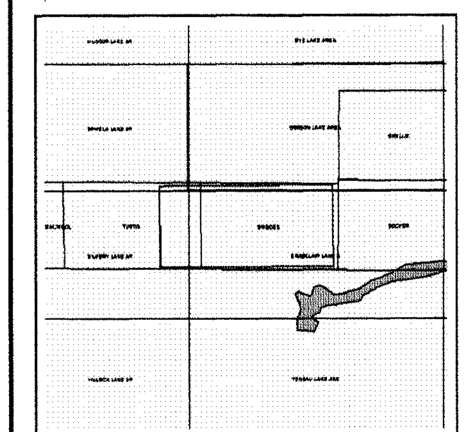
- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- 1234567 Mining Claim
- 1234567 Filed Only Mining Claims



LAND TENURE WITHDRAWALS

1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W'sm Surface And Mining Rights Withdrawn
- W's Surface Rights Only Withdrawn
- W'm Mining Rights Only Withdrawn

IMPORTANT NOTICES

Scale 1:40000

700m 0m 2.1km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
1181	Wsm	Jan 1, 2001	M.N.R. RES.
1267	Wsm	Jan 1, 2001	RESERVED FOR PUBLIC USE F160703
1278	Wsm	Jan 1, 2001	RESERVE FILE 163473 V.2
W-71/77	Ws	Aug 19, 1977	W.71/77 15640 19/8/77 S.R.O.
W-LL-P2363	Wsm	Mar 10, 2003	<a href="http://www.mndm.gov.on.ca/mndm/mines/lands/livleg/borwest/2003orders/mar/withdrawals/wp2363-03_e.asp">W-LL-P2363-03 ONT M&S withdrawal S.35 Mining Act RSO 1990, 10/03/03 Boundary generally depicts area withdrawn Click to view actual area <a/>.

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5797
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

52F13SE2005 2.26137 BRIDGES 210

ONTARIO CANADA

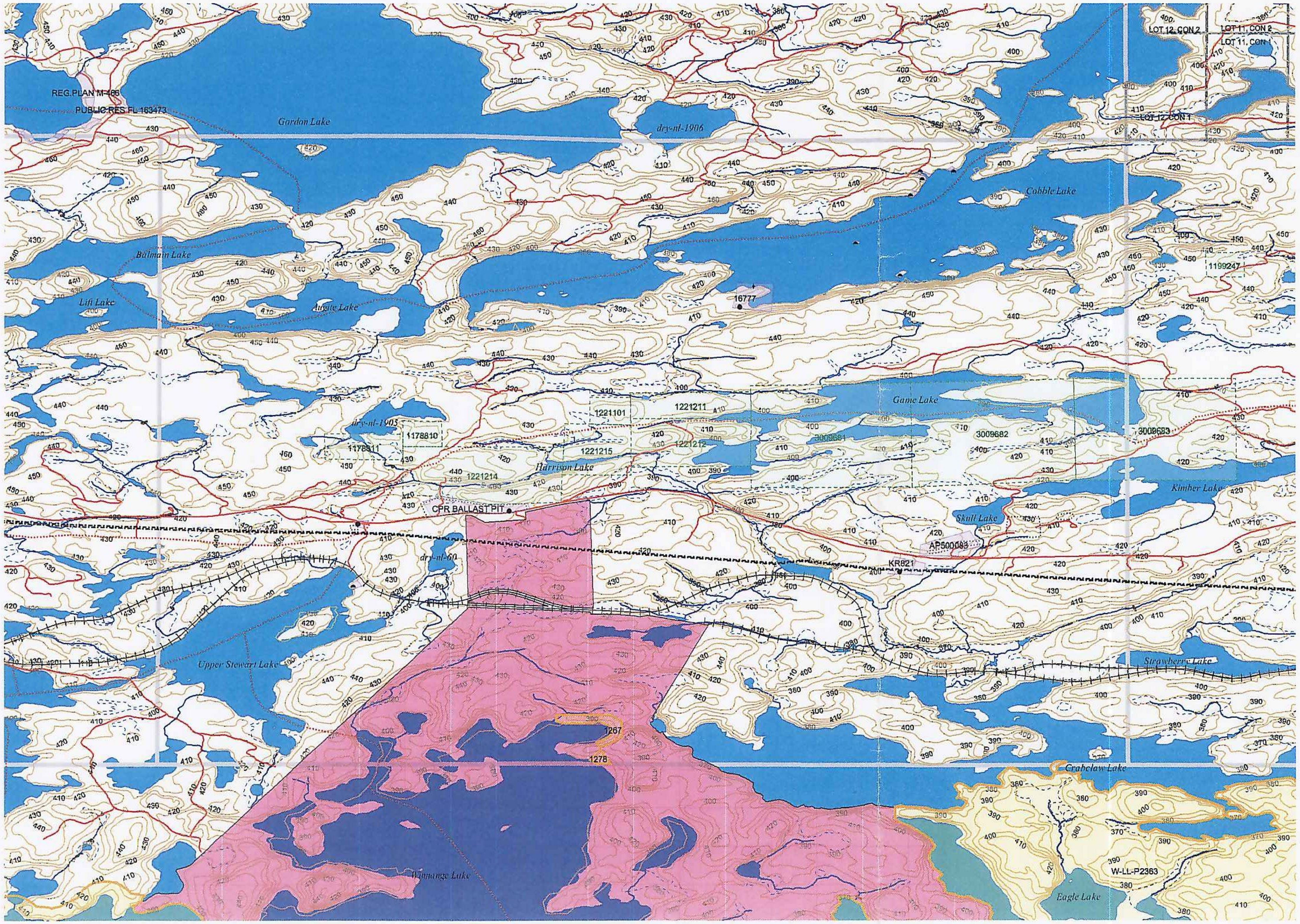
MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

Date / Time of Issue: Mon Dec 01 12:15:44 EST 2003

TOWNSHIP / AREA BRIDGES

PLAN G-0812



NAD 83
5 degree grid

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Kenora
Land Titles/Registry Division	KENORA
Ministry of Natural Resources District	DRYDEN

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
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- Contour
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- Trail
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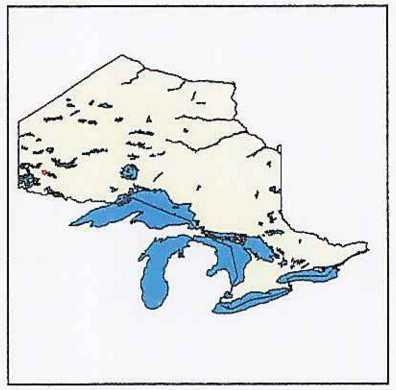

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses Not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

- Land Use Permit
- Order In Council (Not open for staking)
- Water Power Lease Agreement
- 1234567 Mining Claim
- 1234567 Filed Only Mining Claims

LAND TENURE WITHDRAWALS

1234 Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
- Wsm Surface And Mining Rights Withdrawn
- Ws Surface Rights Only Withdrawn
- Wm Mining Rights Only Withdrawn

Order In Council Withdrawal Types
- W°sm Surface And Mining Rights Withdrawn
- W°s Surface Rights Only Withdrawn
- W°m Mining Rights Only Withdrawn

Ns IMPORTANT NOTICES

Scale 1:44274

800m 0m 2.4km

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Tel: 1 (888) 415-9845 ext 5792
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: Geographic Coordinates
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

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52F13SE2005 2.26137 BRIDGES 220

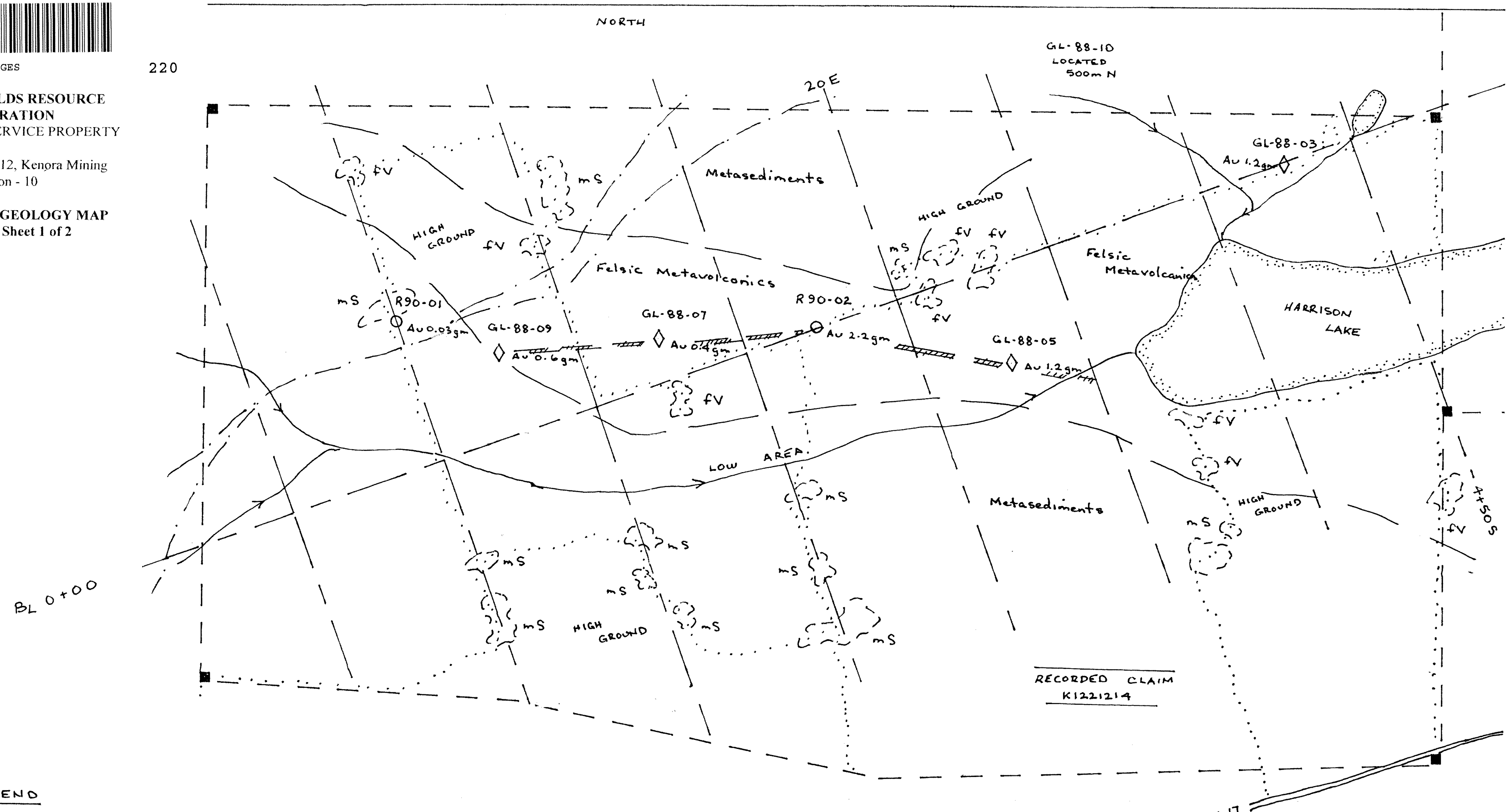
EMERALD FIELDS RESOURCE CORPORATION

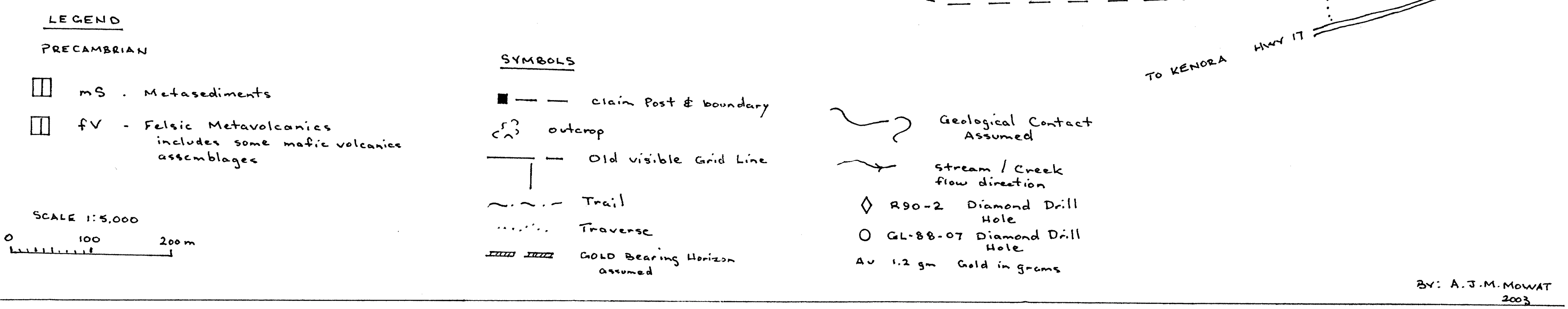
BRIDGES / FAIRSERVICE PROPERTY

Bridges Twp. G.0812, Kenora Mining Division - 10

PRELIMINARY GEOLOGY MAP

West Half - Sheet 1 of 2





52F13SE2005 2.26137 BRIDGES 230

EMERALD FIELDS RESOURCE CORPORATION
BRIDGES / FAIRSERVICE PROPERTY

Bridges Twp. G.0812, Kenora Mining Division - 10

PRELIMINARY GEOLOGY MAP

East Half - Sheet 2 of 2